



C & D

CHEMIST AND DRUGGIST

SEPTEMBER 9 1967



Fenox and Strepsils are available now on bonus terms from your wholesaler. The offer is for a limited period only. Don't miss this opportunity to purchase these well established 'Chemist Only' products on attractive special terms.

BEST TERMS—12 for the PRICE of 10

Fenox Drops | **Fenox Spray** | **Strepsils**
16/8 doz. | 20/- doz. | 13/11 doz.
6 dozen (assorted* if desired)

QB-12 for the PRICE of 11

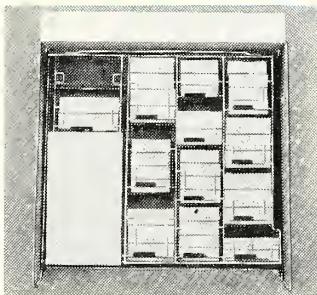
Fenox Drops | **Fenox Spray** | **Strepsils**
 18/4 doz. | 22/- doz. | 15/3 doz.
 3 dozen (assorted* if desired)

* Assorted order (minimum 1 dozen of any one product)
There is no limit to the amount you may order
Order now from your usual wholesaler

CHEMIST ONLY
FENOX AND STREPSILS

Osram Projector Lamps

**Not so much
a dispenser**



more a super-salesman

**Read how this handsome money-maker
comes FREE with Osram Projector Lamps**

Projector Lamps are your second fastest-moving photographic line. So we decided to help you push them even faster - with a Dispenser that works as hard as a salesman. A handsome, informative unit in polished wood and anodised brass. An expensive, permanent piece of furniture. And we're giving it to you.



**It pays to see
it's Osram-GEC**

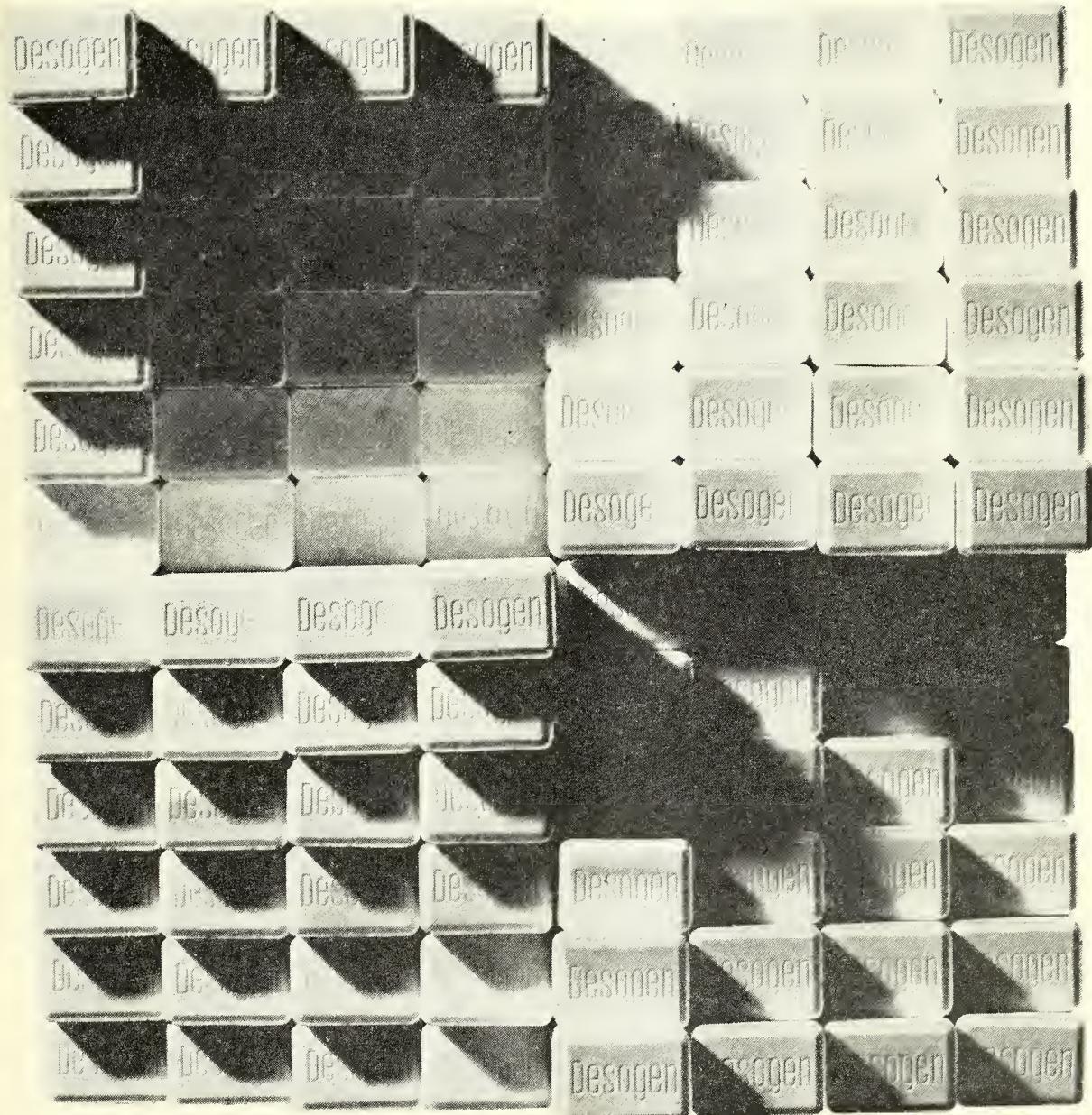
For further details:
Osram (GEC) Limited, East Lane,
Wembley, Middlesex. Tel: 01-904 4321

IT'S WORTH £10

Yes, this Dispenser, which includes the Osram Projector and Photographic Lamps Catalogue costs us £10. The dispenser contains the 13 major types of A1 Projector Lamps accounting for 80% of your customer's requirements and shows off the attractive top-quality cartons to best advantage.

YOU MAKE OVER £30 ON THE STOCK!

All you have to do to obtain this free dispenser is to order the Lamps. Total price to you: under £60. Gross profit on sales: over £30. And we promise you that you'll sell more lamps than ever before. It's a really good deal. Take us up on it today.



Bonus Offer

Available immediately through your local Mr. Geigy

Geigy (U.K.) Limited,
Pharmaceuticals Division,
Manchester 23.

Retail Price 2s. 6d.
per box of 24
lozenges

Geigy Quality-Worthy of your Professional Recommendation

Desogen® Geigy Antiseptic Throat Lozenges

Quantity Ordered (Units)	Bonus (Units)	Total Outlay	Profit
72	18	£6 0 0	£5 5 0
48	10	£4 0 0	£3 5 0
24	4	£2 0 0	£1 10 0

**Now VO5 shampoo comes with new richer lather
in a new shatterproof bottle!**





Two new pieces of news about VO5 shampoo:

1. It's got a much richer lather.
2. It's in a new PVC shatterproof bottle.

The new richer lather comes as a result of extensive research undertaken by Alberto-Culver into the shampoo market. Women say they want a thicker richer lather: now they have it in VO5.

Another result of this research is the PVC shatterproof bottle. Women say they don't want bottles that shatter against wash-basins. So Alberto-Culver said: glass is out from now on. And the PVC bottle arrived.

Women have specially asked for these features;

this is the shampoo you will be able to recommend to them.

This is your bonus:

Purchase 1 dozen 7 oz. bottles and receive 1 dozen 7 oz. bottles free of charge

Purchase 2 dozen 7 oz. bottles and receive 3 dozen 3½ oz. bottles free of charge

Purchase 14 3½ oz. bottles and receive 10 3½ oz. bottles free of charge

Purchase 2 dozen 3½ oz. bottles and receive 3 dozen sachets free of charge

Your wholesaler has all the details.

Alberto-Culver Limited,
Culver House, S.E.1.

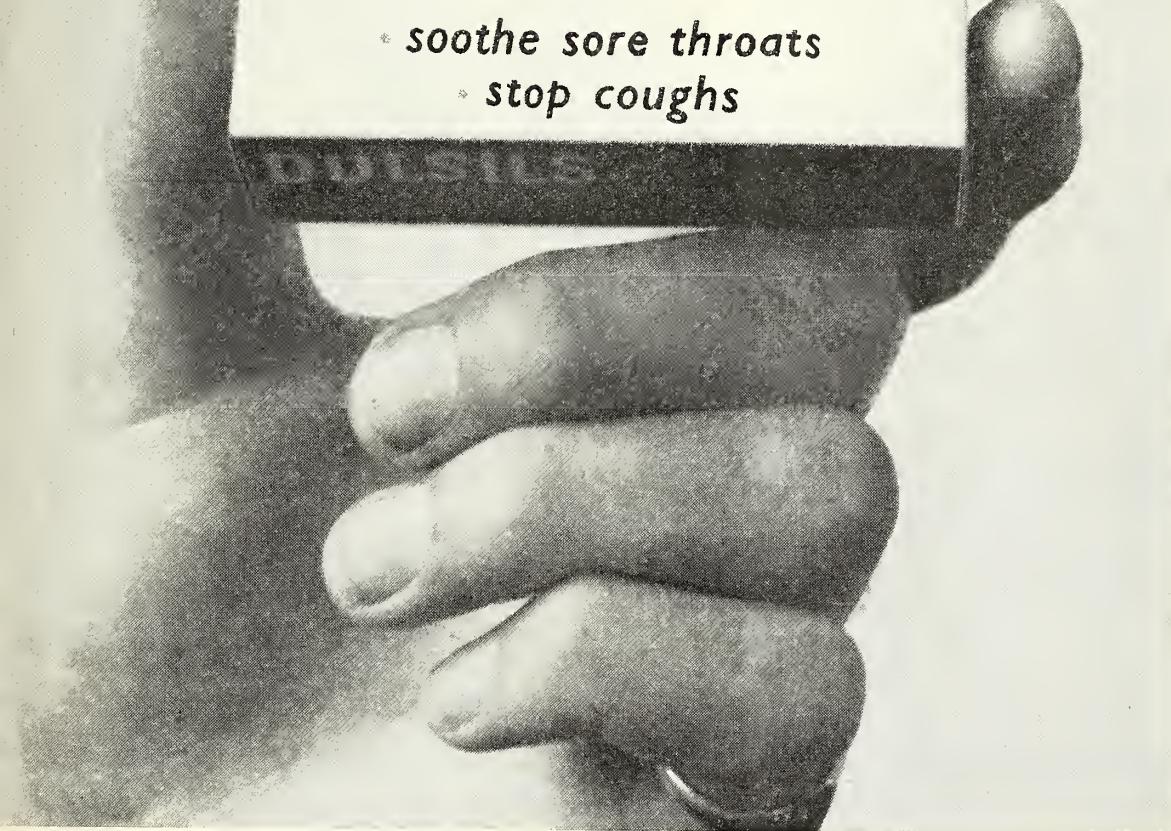


**Your profit on
highly effective Dulsils
throat lozenges-**

DULSILS

THROAT LOZENGES

- * soothe sore throats
- * stop coughs



50%
Dulsil's Bonus Offer 12 for 9!
52/10

HIGHLY EFFECTIVE for coughs and sore throats. The Dulsil's formula is uniquely effective. It comprises 2 powerful bactericides: Dichlorobenzyl Alcohol and Amyl-metacresol, which kill all common sore throat germs within 1 minute; and Dextromethorphan, a strong cough suppressant. For really sore throats, recommend Dulsil's, the really effective throat lozenges!

HEAVILY ADVERTISED! Dulsil's advertising starts October 21st and runs right through the cough and sore throat season to March. Be ready for winter demand. Lay in stocks and showcards. Contact your wholesaler today.

GOOD TERMS! 12 Lozenge pack—your profit 15/8
Packed: 1 doz Trade: 14/4 Retail: 2/10.

Lenbrook Laboratories Limited,
1 Thane Road West, Nottingham. Telephone: 56111

Display and sell these preparations under YOUR NAME and BRAND...

We will design a Brand Mark for you—free of charge! Your own exclusive Symbol!

ANTITUSSIVE LINCTUS

2oz. Bottles cartoned. Nine label and carton designs. Showcard. Trade Price: 29/6 per dozen. Quantity discounts. (Exempt P.T.)

CATARRH & BRONCHIAL SYRUP

4oz. Bottles cartoned. Trade Price: 15/6 per dozen. 8oz. uncartoned 23/3 per dozen. Quantity discounts. (plus P.T.) Nine label and carton designs. Showcard.

CHILDREN'S ^{Cherry} COUGH SYRUP

2½oz. Bottles cartoned. Nine label and carton designs. Trade Price: 14/- per dozen (plus P.T.). Showcard.

Write for chemist's Own Brand literature, samples and formulæ and illustrated Price List:

ARTHUR H. COX & CO. LTD.

BRIGHTON, BN2 3QJ, SUSSEX.

Telephone: Brighton 63084 (4 lines). STD 0273.



MORE & MORE PEOPLE BUY BETA!

147B BETA 11 ENLARGER

Incorporating many features only found on more expensive models, this sturdy, precision-built instrument is being brought into more and more darkrooms. Stock up with BETA 11—the demand is constant.

PRICE
(with Flange) £10.0.1

One of the GNOME PHOTOGRAPHIC fine products.



GNOME
photographic

Gnome Photographic Products Limited.
Gnome Corner, Caerphilly Road,
Cardiff. Tel: 63201/2/3

INTERSTYLINGNS

Just
press!

The sign
letters you
can fix
yourself

- * Bold, three dimensional letters.
- * Simplicity itself to fix.
- * Cheaper than signwriting.
- * Gives facias a clean, modern, professional look.

Fixing studs are positioned on templates provided. Simply press letter on to them to fix to give years of wear.

Available in two styles - 'Festive' and 'Block' 1" to 12" high in a variety of colours.

Immediately available from stockists in main centres throughout U.K. Brochure and address of stockists from:

LETTERCAST LTD

DEPT CD 6-12 WILDER STREET, BRISTOL 2. TEL: 283493

To get the real benefit from Sanatogen Tonic Wine

DRINK IT ...



...OR SELL IT

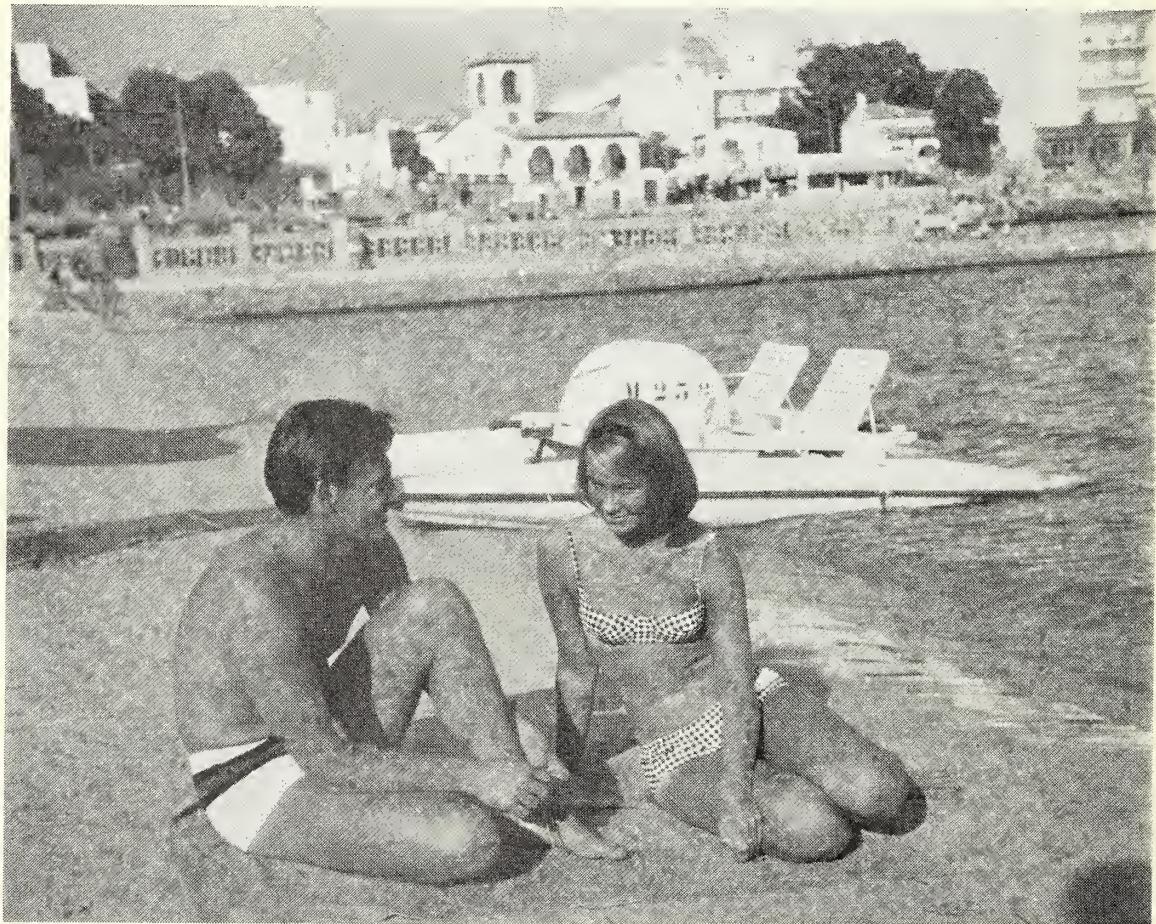
Heavy Advertising Support

Right through the year's peak selling period, September to March, regular advertisements for Sanatogen Tonic Wine will feature in *most* popular daily and Sunday newspapers and women's weekly magazines. There are also bus-sides in selected areas. Make sure you can cope with the expected big demand. Order extra stocks—today !

SANATOGEN TONIC WINE

Sole Distributors : Whiteways Cyder Co Ltd Whimple Devon
London Office : Syon Lane Great West Road Isleworth Middlesex

Win a fabulous holiday in the sun!



**31 FREE
B.E.A. HOLIDAYS
MUST BE WON IN
PHILIPS NEW PHOTOFLUX
DEALER COMPETITION**

Here's an exciting opportunity to increase your profits . . . and win a wonderful Holiday in the Sun for two. Enter Philips great new 'Spot the Holiday Spot' contest . . . it's fun, it's fascinating . . . and so easy to win! You just identify the names of well-known holiday places. That's all! And you, and a member of your family (or a friend), could be all set for the holiday of a lifetime in 1968!

STOCK UP NOW!

To qualify for entry in this superb competition, you must place an order for all or any of the special packs of Philips Photoflux and projector lamps shown on this page. Then put them on display — and watch your sales soar! And remember! Philips Photoflux and projector lamps mean big profits — you win either way!

**SEE YOUR WHOLESALER OR PHILIPS REPRESENTATIVE
FOR FULL DETAILS AND ENTRY FORMS FOR THIS
EXCITING COMPETITION. (All prizes for TWO persons).**

1st PRIZE

of 14 days in Cyprus and Greece with £100 spending money per couple.

-2nd PRIZES

of 14 days in Greece with £50 spending money per couple.

-3rd PRIZES

of 14 days in Venice with £50 spending money per couple.

-4th PRIZES

of 14 days in Majorca with £30 spending money per couple.

CONSOLATION PRIZES

20 great consolation prizes. Long weekends (3 days) in Gibraltar, including trip to Tangier plus £10 spending money per couple.

With the exception of the consolation prizes, which must be taken during the period 9th-12th February, 1968, all the above prizes can be taken at any time in 1968.

**ORDER THESE
PROFIT-MAKERS
NOW! (And qualify for entry)**



FLASHPACK 4

Contains 14 AGIB packs, 10 Flashcube packs and 12 PFIB packs.

**PFC4
FLASHCUBE
PACK**

Contains 36 cubes



**SUPER AGIB
CARTON**

Contains 20 packs



PFIB CARTON

Contains 20 packs



**PROJECTOR
LAMP PACK**

Contains 8 of the fastest-selling projector bulbs



**10/- SURPRISE BONUS
OFFER TO YOU!**

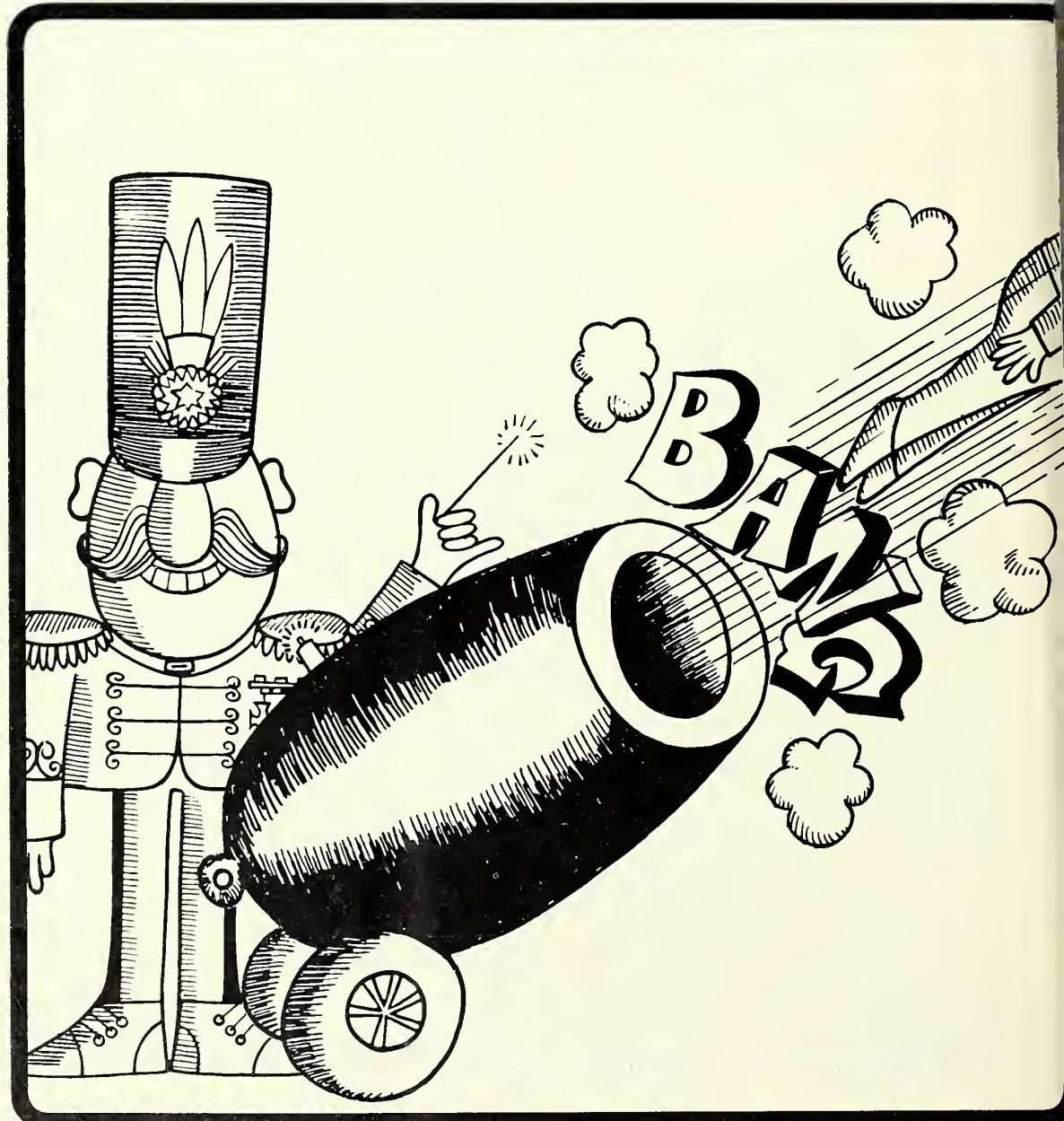
There's a special offer on Philips Flashpack 4 that's worth 10/- to you... whether or not you win a prize in the competition!



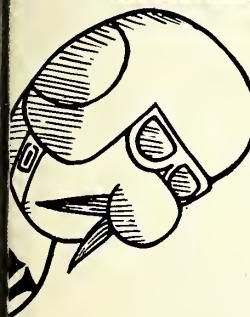
PHILIPS

Philips Electrical Ltd., Century House,
Shaftesbury Avenue, London WC2.

Join us in the biggest-ever advertising



for OVALTINE



ALL OVALTINE ADVERTISING SYSTEMS "GO"

OVALTINE TELEVISION

Biggest television coverage in the history of food drinks. Great national TV campaign: massive concentration of 30 & 7 second spots on all commercial stations.

OVALTINE CINEMA

New full-colour cinema commercials to match big TV campaign—to be screened at 580 leading cinemas.

OVALTINE POSTERS

Powerful new posters to push up your profits at over 1600 dominating poster sites.

OVALTINE POINT-OF- SALE

New display material linked with the big new campaign. Make sure you get yours when your Ovaltine Representative calls.

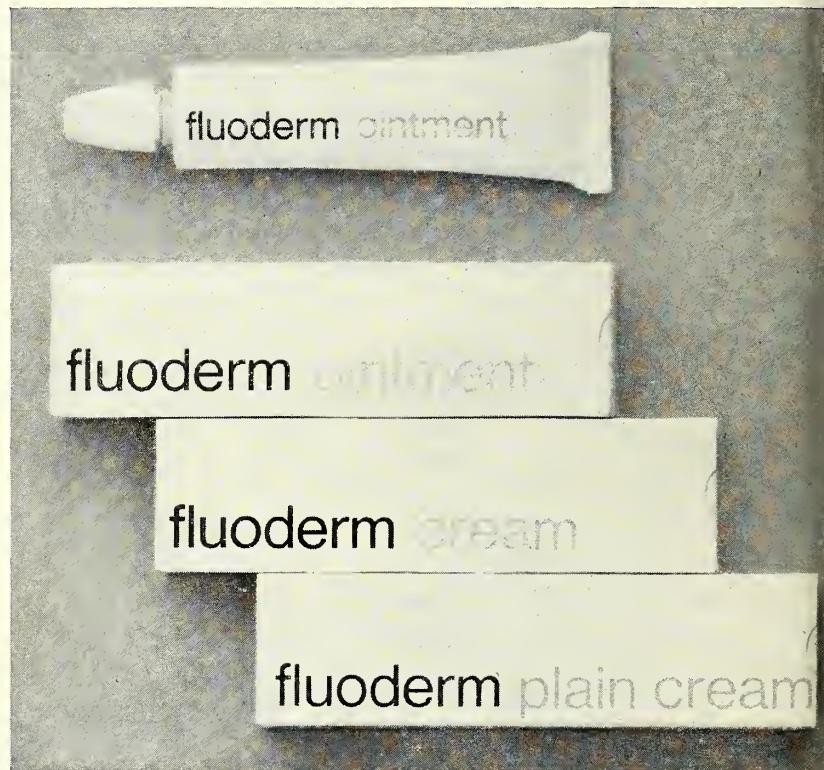
Go big with the big brand. Go big for your biggest-ever profits from the biggest-selling food drink.

OVALTINE helps put back what the day takes out

the BIG BANG for the BIG BRAND begins Sept. 9th

Two new products

Fluoderm is a new topical steroid for use in the treatment of all dermatoses, particularly those of the flexures. Specially formulated to minimise predisposition to infection and hasten a swift return of skin integrity.



Pack and Pri-

Available as cream or ointme-
in 15 G. tube
Trade price 8s. 0d. + P.

Formulati-

Fluoderm Cream and Ointmen-
0.025% Fluorometholone
0.5% Chlorphenesin,
3% Clioquinol

Also available: Fluoderm Plain Crea-
(0.25% Fluorometholone) in 15 G. tube
Trade price 7s. 6d.

from BDH



and Price
k of 21 tablets. Trade price 4s. 7d.
ail price 6s. 10d.

mulation
h tablet contains
g. megestrol acetate and
mg. ethynodiol diol

derm and Nuvacon will be introduced to the
ical Profession on 18th September, 1967.
ct Mail and Journal advertising will be used
upport.

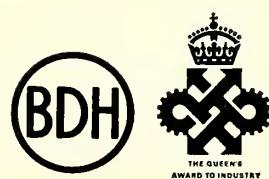
al stocks will be available through your
al wholesaler as from 11th September, 1967.

Tailed information is available on request.

WELLCOME INSTITUTE LIBRARY	
Coll.	WellMOrneC
Coll.	
No.	

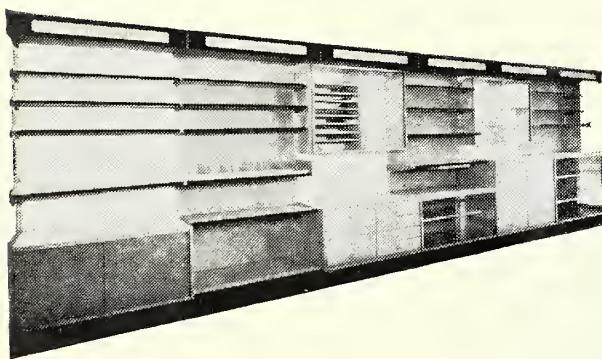
Nuvacon . . .

A new British oral contraceptive that has been tested and proved in over $\frac{1}{2}$ million cycles in four continents throughout the world. It provides for the first time the benefits of low dose oral contraception with megestrol acetate — a pure progestogen with no androgenic and anabolic activity, and unlike the 19 nortestosterones used in the majority of oral contraceptives.



The British Drug Houses Ltd.,
Graham St., London N.1.

Counterpoint gives you a higher average sale



Counterpoint are the specialists in complete Pharmacy interiors including dispensaries. Craftsman-made with superb quality and finish at a price you can afford. Quick and economical to fit—can be varied or adjusted at anytime. Flexible—all units are interchangeable. Ultra-modern in design to give maximum visibility in the minimum of space plus quicker, easier merchandise selection. Expert advice by a Pharmacy specialist offered free. Leasing and Hire Purchase facilities available.



Visit our showrooms: 243 Euston Road,
London, N.W.1. Tel: Euston 0071
Head Office & Factory: Eldon Wall Trading
Estate, Eldon Way, Hockley, Essex.
Tel: Hockley 2532

counterpoint

Counterpoint Store Equipment Ltd., Eldon Wall Trading Estate, Eldon Way, Hockley, Essex.
Please send me your brochure
FOR THE ATTENTION OF.....
ADDRESS.....

C.36

IMPORTANT NOTICE

Dr J. Collis Browne's CHLORODYNE

Changes in Poisons Rules 1967

In order to keep this old established remedy free from further restriction under the proposed new Poisons Rules, the manufacturers have had to make certain changes in the formula.

A revised CHLORODYNE, with cartons clearly marked in black lettering:-

'REVISED FORMULA EXEMPT P. R. 1967'

is now being sent out to wholesalers and we shall be glad if retailers will dispose of their stocks of the old Chlorodyne before selling the new.

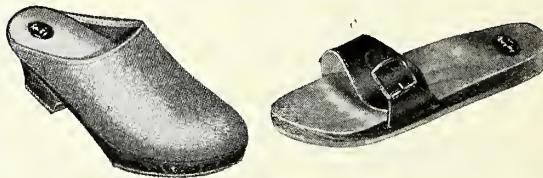
This former might well become a Schedule I poison requiring customer's signature after 30th September next.

Sole Proprietors

J. T. DAVENPORT LTD. Union St. London, S.E.1.

MFCC FOR *Happy Feet* TRADE MARK

EXERCISE SANDALS



You are invited to see the 1968 range of exercise sandals and clogs at:-

ROOM 350 MOUNT ROYAL HOTEL LONDON W1
(from OCTOBER 1st - 5th)

On show at the **INTERNATIONAL FOOTWEAR EXHIBITION** will be the fantastically successful 1967 models plus some exciting newcomers—with the accent on competitive prices, quality and fashion.

Please write for invitation and free admission ticket to:-

MIDLAND FOOT COMFORT CENTRE LIMITED
14 NEW MEETING STREET, BIRMINGHAM 4
or telephone 021-643-4588

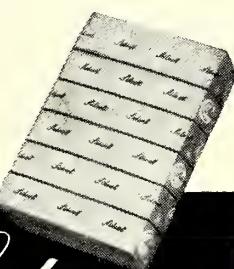
Silcot sales show top profits

* through repeat sales

* with regular bonuses

* with up to 12½% extra profit
on normal quantity terms

Meet
the demand
for quality
with



Silcot
LUXURY SANTONVELS

Macdonald & Son . Portland Mill . Ashton-under-Lyne



C & D

CHEMIST AND DRUGGIST

ESTABLISHED 1859

THE WEEKLY NEWSPAPER FOR PHARMACY
and all sections of the drug, pharmaceutical,
fine chemical, cosmetics, and allied industries

*Official organ of the Pharmaceutical Society of Ireland
and of the Pharmaceutical Society of Northern Ireland*

Volume 188

September 9, 1967

No. 4569

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at 28 Essex Street, Strand, London, W.C.2

Telephone: 01-353 6565

GLASGOW: 8 Merrylee Road, Newlands, S.3. Phone: Merrylee 6356.
LEEDS, 16: 32 Wynford Rise, West Park. Phone: Leeds 67 8438.

ANNUAL SUBSCRIPTION

which includes The Chemist and Druggist Diary and Year Book, £4 5s. Single copies 1s. 3d. each (postage 8d.).



MEMBER OF THE AUDIT BUREAU OF CIRCULATIONS



MORGAN-GRAMPIAN, LTD., 1967



We want more women to try
Noxzema Skin Cream.

So we're offering them
9d off 5/6d Jars and 3d off
3/6d tubes.

You get these
special display
outers each containing
2 jars and 4 tubes which
carry full details of this
special offer.



This way we
get what we're
after...you get
extra sales—and still retain your
full profit margin.

And women get the finest skin
cream they can buy—at less cost.

That makes sense all round.

QUANTITY DISCOUNTS. Normal Keldon quantity discounts apply to all Noxzema lines whether bought separately or as part of a combined order with lines from the current Keldon price list, available from Keldon Limited, Wadsworth Road, Perivale, Middx. Tel: Perivale 4441

noxzema SKIN CREAM
GREASELESS MEDICATED



C & D CHEMIST AND DRUGGIST

Volume 188

SEPTEMBER 9, 1967

No. 4569

One Chemical Body?

THREE ORGANISATIONS GET TOGETHER

FOLLOWING discussions between the presidents of the Chemical Society, Royal Institute of Chemistry and the Society of Chemical Industry, the three bodies have agreed to an investigation of the grounds on which amalgamation might be achieved.

Antibiotics in Feedstuffs

COMMITTEE TO STUDY EFFECTS

THE Secretary of State for Scotland, the Minister of Agriculture, Fisheries and Food and the Minister of Health have agreed to set up a body with sufficiently wide terms of reference to consider the evidence about the use of antibiotics in both animal husbandry and veterinary medicine and its implications in the field of public health. The decision follows recommendations by a joint committee under the chairmanship of Lord Netherthorpe, first set up in 1960 by the Agricultural Research Council and the Medical Research Council, to examine the possible consequences of the feeding of antibiotics to farm animals and to consider whether it involved any danger to human or animal health. The Committee reported in 1962. It supported the continued use of penicillin, chlortetracycline and oxytetracycline (permitted by regulations made under Part II of the Therapeutic Substances Act 1956 for pig and poultry feeding) and recommended extending the practice to young calves, subject to specified limitations. In 1965 the attention of the Councils was drawn to reports that a pattern of multiple resistance to antibiotics appeared to be occurring among members of the salmonella and *E. coli* groups, the former being regarded as of animal origin. The joint committee considered those developments and presented a further report to the Councils in 1966. It included the recommendation to set up the new body. Another recommendation agreed by the Ministry is further to defer implementing the recommendations relating to the supply of antibiotics for use in calf foods, upon which action has not been taken to date. The Ministers are giving further consideration, taking due regard of the available resources, to a recommendation that the Veterinary Investigation Service of the Ministry of Agriculture, Fisheries and Food, in conjunction with the Public Health Laboratory Service of the Ministry of Health, should be asked to seek further

information regarding enteric infections in calves and on the therapeutic and prophylactic use of antibiotics to control such infections.

Psychotropic Drugs

REPORTS ON ADVERSE REACTIONS

NINETY-ONE cases of death associated with treatment with psychotropic drugs have been reported to the Committee on Safety of Drugs during the past three years, according to a leaflet in the Committee's adverse-reaction series. In all, the Committee has received more than 1,200 reports of suspected adverse reactions during the period among patients treated with psychotropic drugs (defined as tranquillisers and antidepressives). The leaflet points out that, tranquillisers and antidepressive drugs being sometimes given in combination with each other or with other drugs, it is not always possible to be sure to which drug a reaction is due. Drugs may also be more liable to produce reactions when given in combination than when given singly. The leaflet says that treatment of mental illness has been much improved by modern psychotropic drugs, but that such drugs should not be used in minor illness or in psychosomatic disorders unless their value in those conditions has been demonstrated by controlled therapeutic trials. The reports to the Committee of suspected adverse reactions to psychotropic drugs during 1964-67 are summarised in the following table:—

Drug(s)	Non-Fatal reactions	Fatal reactions
Tranquilliser	403	25
Antidepressant	419	17
Tranquilliser and antidepressant	142	31
Tranquilliser or antidepressant and other drug(s)	197	18
Total	1,161	91

It is estimated that more than 43,000,000 prescriptions for psychotropic drugs were issued by several medical practitioners within the National Health Service during the three years under consideration.

Conference Time-table

IN the time-table given below of events during the British Pharmaceutical Conference meeting in Blackpool, September 10-15, light type indicates morning and heavy type afternoon sessions.

Sunday

- 10.00 At Horseshoe Parade, Winter Gardens. Conference office open. Until 9 p.m.
6.30 Conference members invited to Evensong at St. John's Parish Church.
8.00 At Imperial hotel. Conference club.

Monday

- 10.15** At Pavilion theatre, Winter Gardens. Opening session and address by Conference chairman (Professor J. B. Stenlake).
2.15 At Planet room, Winter Gardens. Science session. Excursions.
7.30 At Spanish Hall suite, Winter Gardens. Civic reception.

Tuesday

- 8.30** Excursions.
9.30 At Opera House foyer. Discussion forum: "Developments in Drug Distribution and Metabolism Studies." At Pavilion theatre. Professional session: "The Pharmacist's Responsibility to the Profession and the General Public."
2.15 At Planet room. Science session. Excursion.
8.00 At Imperial hotel. Institute of Pharmacy Management members' sherry party (invitation only). At Thanksgiving Shrine, Whinney Heys Road, Mass, followed by reception.
8.30 At Imperial hotel. Conference club.

Wednesday

- 9.30** At Pavilion theatre. Professional session. "Pharmacists and the Supply of Veterinary Medicines." At Planet room. Science session. Excursions.
2.15 At Planet room. Science session. Excursion.
7.00 At Norbreck Hydro. Conference banquet. Followed by tour of the illuminations.

Thursday

- 9.45** Excursion.

- 10.00 At Pavilion theatre. Conference lecture: Professor R. M. Kenedi on "Biomedical engineering: Past, Present and Promise."
- 11.30 Coach leaves for golf tournament at Lytham Green Drive Golf Club.
- 2.00 Excursion.
- 2.15 At Planet room. Science session.
- 7.30 At Spanish Hall suite. Reception and dance for Conference members of the Guild of Public Pharmacists by Manchester Regional Hospital Board and Blackpool and Fylde Hospital Management Committee (invitation only).
- 8.00 At Fernley hotel. Sherry party for members of the National Association of Women Pharmacists.

Friday

- 9.15 Excursions.
- 9.30 At Pavilion theatre. Symposium session. "The Microbiological Quality of Topical Creams and Ointments in Pharmaceutical Practice."
- 2.30 At Pavilion theatre. Closing session.
- 7.30 At Winter Gardens ballroom and Spanish Hall suite. Conference ball.

Nitrous Oxide

PHARMACOPOEIAL STANDARD REVISED
STRICTER tests for impurities in nitrous oxide are imposed by a revised monograph for the gas issued as an amendment to the British Pharmacopoeia, 1963. Nitrous oxide may be prepared by heating ammonium nitrate at the now stated temperature of about 250°C., and its standard in terms of N₂O is related to the liquid phase instead of the gaseous phase as before.

HOSPITAL PHARMACIST SHORTAGE**London survey reveals 35 per cent. deficiency**

THIRTY-FIVE per cent. of posts for hospital pharmacists in the London area are unfilled, according to a survey carried out during June and July by the London Branch of the Guild of Public Pharmacists. In whole-time equivalents, the present establishment (based on a 79.3 per cent. return of questionnaires) was for 604½ pharmacists. The number in permanent full-time posts was reported as 354, with about 103 part-time staff working hours equivalent to about those of forty full-time pharmacists.

More Than Two Years

In the basic grade the deficiency of pharmacists was over 80 per cent. and two of every three vacancies in the grade had been unfilled for more than two years. Half the vacancies in the senior grade had also been unfilled for over two years. The London survey has shown, too, that less than one-third of the pharmacists who resigned during the previous twelve months left to take up other hospital appointments. Only forty-eight of the seventy-two places for post-graduate students were taken up.

Figures for pharmacy technicians were rather better than those for pharma-

A new stringent test for nitric oxide and nitrogen dioxide is introduced and the present test for arsine and phosphine is replaced by two new tests. The limit for carbon monoxide is reduced from fifty to ten parts per million v/v. Descriptions of two materials used in the limit tests—recrystallised iodine pentoxide and silver diethyldithiocarbamate—are added to Appendix I. Copies of the amendments which are effective November 1, may be obtained from the secretary, British Pharmacopoeia Commission, 8 Bulstrode Street, London, W.I.

Tropical Products**INSTITUTE'S WORK ON TOXINS**

FOLLOWING realisation of the serious effects of aflatoxin, a toxic material produced by a mould growing on groundnuts and studied at the Tropical Products Institute, London, attention has been directed to the toxins produced by other moulds. A section of the Institute's Annual Report (H.M. Stationery Office, price 5s.), describes work on the toxins produced in corn by the growth of *Penicillium rubrum*, which causes disease in pigs, cattle and poultry and, like aflatoxin, affects the liver. The pure compounds, known as rubratoxins A and B, were isolated at the Institute, and chemical studies have already gone some way to showing their molecular structures. Studies had also been made to find out how the toxins affect animals.

Disabled Persons**ELIGIBILITY FOR CARS**

THE Ministry of Health has issued a circular to local authorities setting out the effect of changes, introduced earlier this year, in arrangements for providing cars for National Health

cists, with 257 of the 323½ posts being filled by full-time workers. Part-time staff added the estimated equivalent of a further forty-six. More than the "establishment" complement of student technicians were in training.

The following figures are extracted from the detailed analysis made by the investigators:

GRADE	ESTABLISH- MENT	FULL- TIME	PART- TIME
Pharmacist:—			
Chief	189	187	
Deputy chief	65	49	
Senior	158	85	
Basic	192½	33	103*
Post-graduate student	72	48	
Technician	323½	257	81
Technician student	51	56	

* Basic and senior combined.

The survey's compilers conclude that there is a serious shortage of pharmacists in the area of the London Branch of the Guild. It appears, they say, that the hospital service is not considered by the possible young entrant to provide a worth-while career. Half the hospitals reporting had used Form EC10HP to cover lunch-time closings or holidays or the cessation (for up to a year) of out-patient dispensing services

Service patients. Cars may now be provided for: a disabled parent who has to care for a child or children; two related members of one household one of whom is eligible and the other blind (previously limited to husband and wife); or two related members of one household both sufficiently disabled to be eligible, even though one is under 16 years of age. Half the first year's car maintenance allowance may be paid in advance to assist with the purchase of a garage. Any patient who has been provided with a car may be provided with a course of driving instruction at Ministry expense.

IRISH NEWS
THE REPUBLIC

Sales in a Village**"SYMPATHY" FOR UNQUALIFIED TRADER**

A GLENGARRIFF, co. Cork, trader, John Falvey. The Village, was fined 10s. at a recent court in Glengarriff, and ordered to pay £5 expenses and £4 4s. costs when summoned by the Pharmaceutical Society of Ireland, for selling a bottle of calamine lotion, B.P., and one Vap pessary. An inspector of the Society gave evidence of having purchased the articles from a young unqualified girl, and said that there was no qualified person on the premises. The justice said he had considerable sympathy with Mr. Falvey because of the nature of the products in question, and even more so on account of the fact that there was no pharmacy in Glengarriff.

IRISH BREVITIES
THE NORTH

PRESCRIPTIONS dispensed in Northern Ireland during June numbered 838,555 (541,615 forms). Total cost was £516,437, an average of 147·81d. per prescription.

Nominations for membership of the Council of the Pharmaceutical Society of Northern Ireland should be submitted to the secretary, at 73 University Street, Belfast, 7, not later than 12 noon on September 11. Retiring by rotation are Messrs. H. G. Campbell; W. Donaldson; J. Kerr; G. E. Mellagger; W. C. Tate and A. Templeton.

NEWS IN BRIEF

THE Government White Paper on Medicine Legislation was due to be published on September 7.

A FURTHER title in the Monographs for Teachers series, Principles of the Colloidal State (price 6s.), has been published by the Royal Institute of Chemistry, 30 Russell Square, London, W.C.1.

ROtherham Medical Officer of Health, (Mr. J. M. Watt) in his annual report for 1966 states that manufacturers of junior aspirin tablets have been asked to issue the product in bottles with caps that children cannot remove and to discontinue the practice of flavouring the tablets.

THE Medical Research Council has awarded a grant of £24,000 to the Department of Pharmacy, Chelsea

College of Science and Technology to support investigations into the biochemical and metabolic aspects of narcotic drug addiction being carried out under the direction of Professor A. H. Beckett (departmental head).

A TRAVELLING scholarship, value £700, has been presented to the British Commonwealth Nurses War Memorial Fund by Horlicks, Ltd., Slough, Bucks. It will enable a State Enrolled Nurse to visit the United States and Canada so as to study the training and employment of similar nurses in those countries.

THE Chemical Society is proposing to form a nucleotide chemistry group in order to encourage the discussion of the chemistry (including the biological chemistry) of nucleosides, nucleotides and nucleic acids. Membership is not necessarily confined to Fellows of the Society. Anyone interested should notify Dr. A. S. Jones, Chemistry Department, University of Birmingham, P.O. Box 363, Birmingham, 15.

THEME of this year's National Pharmacy Week in the United States is "This week and every week . . . your pharmacist works for better community health". The Week (October 1-7) is the forty-third to be sponsored by the American Pharmaceutical Association to assist pharmacists in calling public attention to the profession's achievements and public-health services.

SPORT

GOLF

MANCHESTER PHARMACEUTICAL GOLFING SOCIETY. A competition for the I.C.I. (Avlon) trophy was held at Delamere Forest golf club, Northwich, Ches., on August 23. Results: 1, T. Williams; 2, Dr. McGregor.

EDINBURGH CHEMISTS' GOLF CLUB. A meeting was held at Baberton golf club on August 23. Results: 1, J. A. Stenhouse (13), 63. Best scratch score, W. Renton, 75. Section No. 1, T. W. Strachan (14), 68. Section No. 2, W. Bocker (19), 73.

SHROPSHIRE AND MONTGOMERYSHIRE PHARMACEUTICAL GOLFING SOCIETY and BIRMINGHAM PHARMACEUTICAL GOLF SECTION. A match between the two bodies at Hawkestone Park golf club, Weston, Shrewsbury, Salop, on August 13 was favoured with excellent weather it is reported. Results: Shropshire cup & putter, 1, H. Edwards, 88 (16), 72; 2, R. Hannan, 89 (15), 74; 3, N. R. Davies, 86 (12), 74. Sandoz open cup, 1 Dr. Lycett, 76 (8), 68; 2, P. H. Lloyd, 88 (20), 68. Hidden hole prize, A. Hughes. Best nine holes (morning), B. Tewson 37 (5½), 31½.

IRISH CHEMISTS' GOLFING SOCIETY. The Society has held two outings recently. At the Hermitage on August 17, a Stableford competition took place for prizes presented by Smith, Kline & French Laboratories, Ltd. Prizes were presented at a supper presided over by Brendan Smith (captain). Results: Class A, B. Putter (9), 35 points; D. N. Mulvey (7), 34 points; M. Ryan (12), 32 points. Class B, F. O'Donnell (18), 30 points; D. Treacy (18), 29 points; S. Byrne (17), 29 points. Rybar Laboratories, Ltd., donated the prizes at Clontarf, on August 30. Dr. M. Ryan (managing director) presenting the prizes. The event attracted over forty entries. Results: Class A, E. Rodgers (14), 37 points; J. T. Foley (14), 33 points; D. P. McHugh (9), 32 points. Class B, C. O. Greene (15), 35 points; M. Costello (17), 34 points; J. Walsh (17), 33 points. Best score on first nine holes, A. Digan; on second nine, D. McHale. The final outing, at which play will be for the President's trophy, is at Elm Park golf club, Dublin, on September 27.

TOPICAL REFLECTIONS

By Xrayser

Whose witness?

A television programme entitled "Your Witness" last week looked at the subject of cannabis. I am sure a sufficiently large number of pharmacists would watch the programme for it to be unnecessary for me to describe the form it takes. The debate, in which witnesses were called and cross-examined, had the title "That marijuanna should now be legalised for adults." The verdict in this series of programmes is given by a jury composed of thirty young lawyers who are adjured to reach their decision on the evidence, regardless of personal feelings. That the thirty votes should have been cast equally for and against is indicative of the inconclusive nature of such an exercise. The chairman declined to give a casting vote, though he might in the circumstances have opted for the *status quo*. My own feeling was that a serious subject was to some extent used to provide entertainment, and that occasion was taken to score cheap debating points. On the whole I gathered that a considerable section of the audience present favoured the motion, though there is the possibility that that was the vocal section. There can be only impressions when all one has to judge by is the sound and a roving camera. Another impression, which again may be personal, was that the witnesses for the motion for immediate legalisation were on the defensive, tending to show aggressiveness which did not further their cause. I was not impressed by the argument that cannabis had slipped into the net of Dangerous Drug controls because the House of Commons was totally ignorant. Before the drug reached that stage there must have been mounting evidence on an international scale of undesirable properties, and the balance of expert opinion must have been against free access to the substance. It may be that the classification of cannabis as a Dangerous Drug at that stage could be accounted for by the fact that, control being felt necessary, there was no option. At a later stage in legislation control might have been established through the agency of the fourth schedule to the Poisons Rules, but such an alternative was not then open.

What sort of control?

The question of control through the Dangerous Drugs Act or the fourth schedule is, from the point of view of access, an academic one. But one cannot lose sight of the fact that, as late as 1961, fifty-nine countries signed a document designed to control cannabis on an international scale, and that Britain was one of the signatories. No doubt some of the countries involved had deeper experience of the effects of the drug. It has always seemed to me to a matter of supreme importance in the international arena that agreement on such a scale is possible in the field of narcotics. A doctor taking part in the television debate said that the drug should be legalised because it had got out of control, and that we should legalise so that control might be exercised. But what sort of control would be exercised? If put on free sale, there would be no control whatsoever. It is already controlled under D.D.A. in such a way as to make it available if the doctor wants to prescribe it. The argument that the private behaviour of adults is not the law's business is a thin one when looked at in the light of the black and unsavoury market in such drugs as hashish and heroin. But in my experience doctors seem to have found little need for cannabis in their day-to-day medicine, and therapeutically there seems to be little justification for its retention.

Tails and dogs

What, then, is it all about? A small section of the population, who appear to be lacking in their own resources, seem to be of the opinion that life is being made more difficult for them than it need be by the effects of legislation designed for their protection. It would be a singularly anarchic world if small vocal groups were to overturn laws designed for the general welfare. There is sufficient evidence to show that there are harmful effects. That, I think, is enough.

A Name Removed from the Register

STATUTORY COMMITTEE CONSIDERS FOUR CASES

THE Statutory Committee decided on August 23 that the name of Mr. Richard Henry Thomas should be removed from the Register. The decision came after the Committee had inquired into information that Mr. Thomas, "having been placed on probation for twelve months in July 1961, and having been warned on behalf of the Council of the Pharmaceutical Society as to his future behaviour: (1) On various and several dates between January 1964 and May 1967 had been discovered in a disturbed condition, probably due to alcohol, and that his behaviour might thereby have tended to bring the profession of pharmacy into disrepute; (2) on at least one of the said occasions had been found in his pharmacy, during normal business hours, under the influence of alcohol."

Background of the Situation

Mr. P. St. John Howe appeared in order to place the facts before the Committee. Mr. Thomas, who was present, was represented by Mr. John Peppitt (counsel instructed by Lamartine Yates & Lacey, solicitors). Mr. Howe said that, since about 1964, Mr. Thomas had been the subject of reports of mal-behaviour to the authorities, "in particular the police authorities." On June 16, 1967, the Chief Constable of Flint wrote to the Society's inspector in Wales and pointed out to him "that there was a very long history attached to Mr. Thomas, and that in his opinion the Society should be informed."

Police constable Hughes, Bagillt, Flints, told the Committee that, following a complaint on March 14, 1966, he had visited Mr. Thomas in his dispensary. Mr. Thomas appeared distressed and had not fully understood the questions put to him. His speech had been slightly slurred but the officer did not know whether the predominant factor was alcohol. He could smell alcohol in the pharmacist's breath. On April 15 the officer said he had again seen Mr. Thomas as a result of a complaint and that Mr. Thomas had been severely mentally disturbed. Again he had detected a strong smell of alcohol in Mr. Thomas's breath. Mr. Thomas had picked up the telephone handset in front of him and smashed it to the floor, and had then run out of the shop into the main crossroad of Bagillt and started demonstrating in the middle of the road. Taking off his jacket he had placed it in the middle of the road and ran into an adjacent newsagent's shop, alleging to the customers in the shop that this was a police state and saying "They are taking me to the police station." The police officer later told the Committee that he had forcibly arrested Mr. Thomas, and a passing motorist had had to assist in taking him to the police station. "At the police station Mr. Thomas had continually started to demonstrate, and at one period he had strewn on the floor all the private documents which I had in the police station." Later Mr. Thomas

had been admitted to the hospital as an informal patient. The police officer told the chairman (Sir Benjamin Ormerod) that he had been involved with Mr. Thomas on six occasions, two of which had been in the pharmacy and the other four at home. The last occasion had been on July 30, when he had found Mr. Thomas with blood on his face and dried blood covering his shirt and extremely depressed. "His conversation was nonsense." Mr. Thomas was again taken to the mental hospital at Denbigh as a voluntary patient.

Cross-examined by Mr. Peppitt, the police officer said that no complaint so far as Mr. Thomas's work was concerned had come to his knowledge.

Dr. G. W. Roberts (County Medical Officer of Health for Flintshire) told the Committee that he was responsible for the Community Mental Health Service and had first come into contact with Mr. Thomas in 1960 when Mr. Thomas had been taken to Denbigh hospital. Mr. Thomas had been referred to as a schizoid. "That means a person who has certain difficulties in managing day-to-day things, and at times—it happens to us all—the ordinary stresses become a little intolerable." In 1962 Mr. Thomas had again been admitted to the North Wales Hospital for Nervous Disorders and subsequently discharged. He did at times take the treatment recommended, but had lapsed. There were odd bouts of drinking. A mental welfare officer reported that on February 7, 1967, he called at the shop in the ordinary way and had been concerned because a customer was serving behind the counter. Mr. Thomas was then under the influence of alcohol and incapable, in his opinion, of managing.

The CHAIRMAN: You have heard the evidence, Dr. Roberts, and you have said that you would attribute his behaviour immediately to alcohol and that the reason for taking the alcohol may be to shield him against his depression?—That is correct.

He takes alcohol as a palliative?—Yes.

"And it upsets him easily? — Yes.

Full Co-operation Essential

When being cross-examined by Mr. Peppitt, Dr. Roberts referred to the long-term treatments with Antabuse and anti-morphine psychotherapy. "We consider that a man or woman put on this kind of treatment should accept fully the advice of the psychiatrist and our staff for at least six months and possibly a year. We have never had anything like that kind of full co-operation in this case."

Mr. PEPPITT: You would want six or twelve months' rigid adherence to the treatment to expect to do any real good with him? — Yes. Also, I think that the time is going against the patient, and that the need for twelve months now is more than it was five years ago.

Mr. PEPPITT: What you seek is twelve months' complete co-operation from this man? If you get it, do you think that there are reasonable prospects that you and your colleague will be able to do something for him—I should be prepared to say "Yes."

A Tragic Case

Later Mr. Peppitt addressed the Committee. He said that, whatever the rights or wrongs of the case, it was a tragic one. Mr. Thomas had reached the age of fifty-two and had built up for himself "not just a reputation as being a good chemist to whom everybody turns when they need the services that a chemist provides, but someone whom people can trust and to whom they can look for services quite outside the ambit of commercial life." After referring to a number of testimonials, Mr. Peppitt said "The people served by Mr. Thomas speak with one voice. But your prior duty, I concede, and Mr. Thomas accepts, is not whether Mr. Thomas is the sort of person who deserves to be helped; it is whether you in your duty towards the public can safely allow him to go on." Throughout there had not been a complaint about any falling down in the way he had carried on his business.

The CHAIRMAN: I think that everybody is prepared to accept that. I do not know that there has been any complaint of drugs having been wrongly sold out of the shop or having been wrongly prescribed. But that is not quite the point that we have to consider. We have been told that this is the only pharmacy in the village. How far away is the next pharmacy?—The next one is 2½ miles away—in the next village.

The CHAIRMAN: I see. On the first point that you were making, we have the evidence that a customer was found serving herself.—I was going to deal with that. I invite the Committee to disregard that.

The CHAIRMAN: How can we disregard that? Evidence was given by the police officer that in this pharmacy the pharmacist himself was in a condition which the police officer described as "severely distressed," and he said that there was a customer behind the counter serving herself. With a preparation which turned out to be Drinamyl.—When I said that I invited the Committee to disregard it I did not mean that it was a fact that ought to be disregarded if it had been proved. The police officer gave evidence of the two occasions when he discovered Mr. Thomas in the pharmacy in the condition which he considered—and I concede it—rendered him unfit to be there. The only evidence—I use the word guardedly—of a customer serving herself was a note which Dr. Roberts had from a social worker which he either read or recollects.

The CHAIRMAN: I think that the Committee had better accept that this is so, but, even taking the best view

of it that you can, is it not the sort of thing that could easily happen if a man is in a condition of this kind in his pharmacy? A customer can come into the shop and get what he likes.—Yes. If matters were to go on as they have been going on over the past two years, Mr. Thomas would concede that he has no right to remain a pharmacist. I do not think it would be right for him to argue the contrary. Of course he ought not to remain a pharmacist so long as he from time to time renders himself in the sort of condition that Police Constable Hughes found him in. But I say—and I ask you to consider this seriously—that, taking the evidence as a whole, there is still time to allow Mr. Thomas to continue to provide the real service which he has provided over the past twenty-nine years. . . . He realises that the make or break time has come. He realises for the first time, having heard or seen in advance the sort of things that doctors were going to say about him, and having come from his Welsh village to face this Committee on a matter such as this, that if he does not do something about it not only his job but his whole way of life will go.

Later Mr. Peppitt said that, in view of the evidence of Dr. Roberts that twelve months' co-operation by Mr. Thomas would or might well effect a cure, there was sufficient prospect, in view of the man's past record as a chemist, to warrant the committee giving him this one final chance.

THE CHAIRMAN: May I draw your attention to one thing Mr. Peppitt? You say that this may have had the effect of pulling Mr. Thomas together and making him realise his responsibilities. Is that quite in accordance with the facts? On April 14 the notice of complaint was sent to Mr. Thomas, with the intimation that there would be this inquiry, and on July 30 the police officer called at his house and found him in this condition.—I do not seek to resile from that.

Record Not Encouraging

THE CHAIRMAN: I know that you do not want to resile from it, but it does not lend much colour to the hope that the inquiry will have the effect of making him see the error of his ways.—Mr. Thomas cannot expect much in the way of mercy, if you extend him mercy at all, but he can expect for six months or twelve months an opportunity for the treatment to work, given vigilance both from the doctors and from the officers of this Society. If that course has a reasonable prospect of success, bearing in mind that his past record as a chemist, notwithstanding his private life, has been an exceptional one—I know that there are occasions when his private and personal habits must have reflected on his ability, but they have never done so yet in view of the evidence of the police officer, the testimonials and what everybody seems to think about him as a professional apart from his health—I invite you to say that there is sufficient prospect here of doing good to the public in the long run by allowing Mr. Thomas a strictly super-

vised twelve months, rather than by saying to him now "Your name ought to be removed from the Register." I do not think that I can take it any further, save only to say that if there is anything that you would like Mr. Thomas to say or any questions that you would like to ask him I shall be glad to help.

THE CHAIRMAN: I think not, Mr. Peppitt.

After the Committee had deliberated in camera THE CHAIRMAN said: "Mr. Peppitt, the Committee has considered this case and has considered all that you have said. The Committee realise, of course, that it is a case in which there are considerable difficulties facing the man himself. But in the circumstances of this case, as our duty is to protect the public, we feel that we have no alternative than to direct that his name be removed from the Register. I think that I should say this also. Mr. Thomas is, of course, entitled, under the terms of the Statute, to apply six months from the time when the removal is confirmed for his name to be reinstated—I think that is the legal position—on the Register. But, with inference that he will probably be undergoing the six to twelve months' treatment with which he will co-operate, it would be little use his coming before the Committee unless he could bring medical evidence to show that he had co-operated and that, at the end of the co-operation, he had been cured of the condition which at present renders it impossible for us to allow his name to remain on the Register. Any appeal is a matter on which you will no doubt advise him, Mr. Peppitt."

Casualness Observed

Another inquiry concerned a pharmacist who, in a magistrates' court, had pleaded guilty of being in charge of a motor car when unfit to be in charge through drink or drugs and had been fined £10, with £13 13s. costs. The pharmacist was represented by Mr. John Peppitt (instructed by Lamartine Yates & Lacey) and Mr. P. St. John Howe appeared in order to place the facts before the Committee. The pharmacist, who was present at the hearing, gave evidence before the Committee, after which Mr. Peppitt said that the ordeal of appearing before the Committee affected different people in different ways. He hoped that the Committee would not hold it against the pharmacist for what might appear to have been "an overwhelming degree of casualness."

THE CHAIRMAN: We shall not hold it against him but I am bound to say that we had noticed it.

Mr. Peppitt said he did not want the Committee to take the view that the pharmacist was necessarily treating the Committee and the proceedings in a cavalier manner. "This is a very serious matter, and no matter what impression may have been given both he and I realise how serious it is."

Giving the Committee's decision, the chairman said. "Mr. Peppitt, this conviction has, of course, been admitted and therefore, in one sense, it is unnecessary for us to do anything other

than say, as it has been admitted, that there is no further need for us to find anything on that side of the case. But we think that the case is proved, and amply proved, of course, and in the circumstances we are prepared to accept that this was a mistake possibly, or certainly an error of judgment, on the part of the pharmacist and we are prepared to adjourn the matter for twelve months so that, twelve months hence, when Mr. Hutt comes forward, he can give a proper account of his conduct during that twelve months and bring two testimonials, one of which must be from a practising pharmacist, and it may be that he may not hear much more about it. But there is one thing that I should like to say to you, Mr. Peppitt, which I am sure you will pass on to your client. This is a responsible Committee, a Committee appointed by Statute, and if pharmacists appear before it on complaint we expect them to behave with proper respect to the Committee. I am sure that you noticed as much as we did your client's demeanour when occupying the chair which is occupied by witnesses, and this Committee feels rather strongly that that is not the sort of demeanour that appeals to them, and if it is persisted in or if it happens on a future occasion, they may have to take further steps. Will you pass that on, Mr. Peppitt?

MR. PEPPITT: Yes, my client will hear from me about it.

Two other cases were adjourned for the twelve months and in another inquiry the Committee decided there was no case for complaint. In a resumed inquiry the Chairman said that, the case having been adjourned for twelve months and the reports having been favourable during that time, no further action would be taken.

N.H.S. STATISTICS

In TYNEMOUTH 25,295 prescriptions (17,173 forms) were dispensed during January. Total cost £15,483, an average of 146·9d. per prescription.

Contractors in LEICESTER received £86,389 for dispensing 154,895 prescriptions (99,672 forms) during January. The average total cost per prescription was 133·85d.

In GREAT YARMOUTH 26,239 prescriptions (16,611 forms) were dispensed during February at a total cost of £16,725. Average cost per prescription 152·98d.

Contractors in ST. HELENS dispensed 63,563 prescriptions (41,028 forms) during February. Total cost was £30,301, an average of 114·41d. per prescription.

In LIVERPOOL there were 177 contractors and 222 pharmacies in the Pharmaceutical list on March 31 compared with 184 and 229 respectively on March 31, 1966.

In ENGLAND during April 19,809,413 prescriptions (12,754,950 forms) were dispensed. Total cost was £10,830,238 an average of 131·21d. per prescription. During May 21,434,110 prescriptions (13,853,421 forms) were dispensed at a total cost of £11,624,992, an average of 130·17d. per prescription.

LEGAL REPORTS

Received Stolen Goods

Part of a £2,500 theft of perfume from Coty (England), Ltd., Brentford, Middlesex, was discovered in a dock worker's home at Bow, it was stated during prosecution by the police at Thames, London, Magistrates Court on August 31. Before the court was John William Isitt, Bow, who pleaded guilty to receiving forty bottles of *L'Aimant* perfume on or before August 12, knowing them to be stolen. As a result of information received, it was stated, police officers obtained a search warrant and went to Isitt's address, where an officer found the bottles in a brown paper carrier bag in a cupboard under the kitchen sink. The property was worth £30, and the largest quantity a retailer could obtain at one time was 2 doz. bottles. A police officer said Isitt had two previous convictions, including one for receiving. He was married, with eight children, and his wife was waiting to enter hospital for a "serious operation." Isitt had been employed in the Millwall dock for twenty-two years. Isitt was told by the magistrate, "This is the second time you have been found guilty of receiving stolen property. Only because of your children, and your wife's condition, I am not sending you straight to prison." Isitt was fined £50 or three months in prison and was informed he could pay at £1 a week. He was told to keep in touch with a probation officer, who had previously seen him.

COMPANY NEWS

⁵ Previous year's figures in parentheses

COLEMAN & CO. LTD.—Mr. I. Mackintosh has been appointed a director.

ASHE CHEMICAL, LTD.—Profits in first half of year were £139,000 (against £111,000 in same period of 1966). Interim dividend is unchanged at 12 per cent.

MILES LABORATORIES, LTD.—Mr. D. J. C. Sutherland has been appointed chairman and managing director in succession to Mr. W. M. Thompson, who continues as director.

STERLING DRUG INTERNATIONAL.—Mr. B. W. Kennedy-Sloane has been appointed managing director in succession to Mr. R. O. M. Edenborough who has retired. Mr. G. M. White becomes deputy managing director.

GLAXO GROUP, LTD.—If the scheme to convert the company's Preference capital to unsecured loan stock (see *C. & D.*, July 15, p. 49), is acceptable to owners there should be a potential increase of £35,713 in earnings attributable to Ordinary capital says an explanatory statement circulated on September 2. The Preference dividend is subject to corporation tax at 40 per cent., the loan stock is not.

DIXONS PHOTOGRAPHIC, LTD.—Sales for the current year, after a disappointing beginning, are now at a more "satisfactory level," reports Mr. C. Kalms (chairman). He adds that there are two major factors which must improve future trading condi-

tions. One is the abolition of Resale Price Maintenance which is a "wonderful opportunity" for the company to increase its share of the market. The other is the agreement, on the Kennedy Round, for tariff reductions which commence next July.

BERK, LTD.—Subject to audit, group profit before tax for the six months ended July 3 was £356,400 (£276,300) and, after deducting tax and minority interests, £187,800 (£102,500). Although sales at £9 million were 4.5 per cent. higher than in the corresponding period last year, the true comparison is rather more favourable since certain marginal activities have been sold off or discontinued. Mercury training has operated in a more stable market, and the pharmaceutical business has exceeded profit forecasts. An interim dividend of 3½d. per share, is declared. The Board anticipate that the profit for the full year will be approximately double that for the first half.

MACARTHYS PHARMACEUTICALS, LTD.—The amalgamation of the activities of Savory & Moore into Macarthy's Pharmaceuticals, Ltd., should be a considerable advantage to both companies, states the chairman (Sir Hugh Lunstead) in the annual report. The pharmacies are to be conducted under the name of Savory & Moore, Ltd., by a board consisting predominantly of pharmacists. Liberty Pharmacies, Ltd., will, therefore, become a subsidiary of Savory & Moore, Ltd. Tangible effects should begin to be seen in 1968-69. Regarding redundancies that may arise from the merger Sir Hugh says that a scheme has been devised which provides that in addition to the statutory redundancy payments. Members of the S. & M. staff affected who remain during the period of contraction will receive a bonus by way of acknowledgement of their service to the company. Sales in the year to April 30, were £9.36m. (£8.7m.) and net profit £149,482 (£184,511). The results of Savory & Moore Ltd. for the year to March 31, are not available.

BUSINESS CHANGES

HARKER STAGG, LTD., have removed to 6 Argall Avenue, London, E.10 (telephone: 01-539 0615).

G. DUDLEY SMITH, LTD., have closed their branch at 101A Taunton Road, Bridgwater, Somerset, as from September 2.

TONI CO. have transferred their order department to 101 Syon Lane, Great West Road, Isleworth, Middlesex (telephone: 01-568 0331).

MR. D. J. McNAMARA, M.P.S., has acquired from Williams-Chemists (Cornwall), Ltd., the pharmacy at 30 Molesworth Street, Wadebridge, Cornwall.

MR. G. YOUNG, M.P.S., has acquired the branch pharmacy of F. W. Whitwell, Ltd., at 681 Lincoln Road, Peterborough as from September 11.

MESSRS. B. C. and K. C. PATEL, M.P.S., are joint owners of the pharmacy at 90 Ferry Road, Hullbridge,

Essex, acquired recently from Angus Grant, Ltd. (see *C. & D.*, September 2, p. 194).

DEXION, LTD., have transferred their Midland regional office to 104 Hagley Road, Birmingham, 16 (telephone: 021-454 3537) and their North-West regional office to 1 Hope Street, Leigh, Lancs telephone: 0523-5 71568.

BAKER & FAIRHEAD, LTD., 36 Head Street, Colchester, Essex, are closing down on September 29. The business has been in the Baker family since 1836, the director, Mr. J. B. Baker, M.P.S., having joined his father about 1928.

MR. H. E. D. WILSON, M.P.S., F.S.M.C., 44 Old Road West, Gravesend, is retiring from pharmacy but will continue the optical practice. The pharmacy is being taken over by Mr. D. K. Vohra, M.P.S. Mr. Wilson qualified from Portsmouth and started in business at Gravesend thirty-four years ago.

ALBRIGHT & WILSON LTD., announce that Bush Boake Allen's industrial chemical division, is being transferred to Albright & Wilson (Mfg), Ltd., 1 Knightsbridge Green, London, S.W.1., on September 25 and will operate as the plastics chemicals department of Albright & Wilson (Mfg) under Mr. G. B. White. Furthermore, so far as manufacturing operations are concerned, Albright & Wilson (Mfg) will take over responsibility for running the Rainham and Letchworth factories of Bush Boake Allen together with the phthalate plasticiser plant at Bush Boake Allen's site at Dans Road. The Carpenters Road factory at Stratford, London, which produces perfumery products as well as industrial chemicals will continue to be run by Bush Boake Allen although the selling of industrial chemicals produced there will become the responsibility of Albright & Wilson (Mfg)'s new plastics chemicals department.

Appointments

BOWMANS CHEMICALS, LTD., Widnes, Lancs, have appointed Mr. J. Bibby commercial manager and Mr. T. F. Reid sales manager.

GLAXO LABORATORIES, LTD., have appointed Dr. L. F. J. Parker manager of their milk drying factory at Kendal, Westmorland.

REMINGTON electric shaver division, Sperry Rand, Ltd., have appointed Mr. C. Penman assistant to the general sales manager.

LENBROOK LABORATORIES, LTD., have appointed a team of five salesmen to call on chemists in London and the South. They are Messrs. R. Ellis, G. J. Zambetakis, C. Maguire, A. Walters and L. Plaskow. The sales manager is Mr. G. V. Firmin.

DEATHS

BRACKENBURY.—On August 23, Mr. Walter Brackenbury, M.P.S., 69 The Avenue, Linthorpe, Middlesbrough, Yorks. aged ninety-five. [Corrected note].

GRAHAM.—At Crowborough, Sussex, recently, Mr. Linley Graham. Mr.

Graham qualified as a chemist and druggist in 1904 and until his retirement about twenty years ago was proprietor of a pharmacy in Station Street, Keswick, Cumberland. During his retirement Mr. Graham acted as secretary to the West Sussex Pharmaceutical Committee. He is survived by his son, Mr. L. C. Graham, M.P.S., Reading, and daughter.

MCKIE.—On August 28, Professor Douglas McKie, emeritus professor of the history and philosophy of science, London University, aged seventy-one. Professor McKie was known for his published works on Lavoisier and other seventeenth and eighteenth century chemists. He was a founder member of the Faculty of the History of Medicine and Pharmacy of the Society of Apothecaries and was president of the second British congress of that subject in 1961.

MURPHY.—Recently, Mr. Henry Murphy, M.P.S., North Main Street, Macroom, co. Cork. Mr. Murphy qualified in 1924. A prominent and popular member of the profession, Mr. Murphy was the proprietor of a successful pharmacy in Macroom. Two of his sisters (Mrs. Elizabeth O'Mahoney, Macroom and Mrs. Sheila Kingston, Drimoleague) are also pharmacists. A son, Mathias, is currently a student of pharmacy.

PINCUS.—On August 22, Dr. Gregory Pincus, research professor of biology, Boston University, U.S.A., aged sixty-four. Dr. Pincus was responsible for much of the initial work leading to the development of oral contraception.

RAMSAY.—On September 3, Mr. John Henry Ramsay, F.P.S., 15 Observatory Road, Edinburgh, 9, aged eighty-one.

Mr. Ramsay qualified in 1911. For a number of years he was in retail pharmacy on his own account in Partick, Glasgow and he built up a successful wholesale and manufacturing business, which was incorporated with W. & R. Hatrik, Ltd., when he became director and manager of that company in 1935. Mr. Ramsay took an active part in the Glasgow and West of Scotland Chemists' Association, holding office as chairman for a number of years. He was a member of the board of examiners of the Pharmaceutical Society in 1919-34 and was chairman 1930-33. He was also a member of the committee of the School of Pharmacy, Royal Technical College, Glasgow. He moved to Edinburgh on being appointed a director of T. & H. Smith, Ltd., in 1967. He became managing director in 1950 and subsequently chairman of that company's subsidiaries W. & R. Hatrik, Ltd., William Paterson & Sons (Aberdeen), Ltd., and T. & H. Smith (Canada), Ltd., and played a prominent part in the

rationalisation and modernisation of pharmaceutical manufacturing in Scotland. He became a Governor of the Heriot-Watt College, Edinburgh and was a past-chairman of the manufacturers section of the Edinburgh Chamber of Commerce. He had also served on the Board of Management of the Royal Victoria and Associated Hospitals and was a past chairman of the Scottish Wholesale Druggists' Association. He also represented the Scottish Standing Pharmaceutical Advisory Committee on the Joint Committee on Prescribing and was a member of the Joint Subcommittee on the Definition of Drugs and of the Standing Joint Committee on the Classification of Proprietary Preparations. Mr. Ramsay had retired in 1957 but continued to take an active interest in pharmaceutical affairs as an honorary member of the Association of the British Pharmaceutical Industry. Throughout his life he took an active interest in church affairs and in the arts and was an enthusiastic member of the Edinburgh Sketching Club.

REES.—On July 1, Mr. David Andrew Rees, F.P.S., 20 Chailey Avenue, Rottingdean, Sussex. Mr. Rees qualified in 1905. He was a director of two pharmacies in Hertfordshire and became chairman of the Unichem Association on its foundation. Formerly in business for many years in Camberwell, Mr. Rees was a past-chairman of the South-west London

Chemists' and West Kent Pharmacists' Associations and was twice chairman of the London Pharmaceutical Committee.

INQUESTS

Amitriptyline Death.—The details of the death of a woman were being reported to the Committee on Safety of Drugs, an inquest at Stoke-on-Trent was told recently. Dr. Charles Knappett, (pathologist), who investigated the death of Mr. Mary Goodwin, North Street, Stoke, said he thought the Committee should know about it. He said that the drug, amitriptyline—trade name Tryptizol—a tranquilliser, was "unfamiliar as a cause of death." Despite research he had been unable to find any similar case. He was satisfied that an overdose had played a significant part in the death of Mrs. Goodwin following an asthma attack. "I think that when she had the attack the fact that she had previously taken this overdose made her recovery less likely." It was also stated that a considerable overdose of the drug had been taken. The City Coroner recording a verdict of "accidental death" said: "We do not know much about Tryptizol as a poison yet and that is the reason why the investigation in this case took so long." He thought that Mrs. Goodwin had taken a number of the tablets at night to relieve depression.

HEALTH SERVICES IN SCOTLAND

Thirty-three fewer contracting pharmacies in 1966

THE number of pharmacists in contract with Executive Councils in Scotland for the provision of pharmaceutical services fell from 1,504 in 1965 to 1,471 in 1966, according to the report for 1966 on Health and Welfare Services in Scotland (H.M. Stationery Office, price 9s.). However, the number of prescriptions dispensed increased by over 75 per cent., from 25·62 millions in 1965 to 27·53m. in 1966. Gross cost of pharmaceutical services was up from £14·26m. in 1965 to £15·75m. in 1966. Of the total cost, £10·59m. was for drugs and £4·79m. was pharmacists' remuneration. Payments for drugs dispensed by doctors or dentists or at the Sighthill health centre amounted to £363,500. The average cost per prescription in 1966 was 132·9d. against 129·4d. in 1965. Only one complaint against a chemist was received during the year. A prescription had been dispensed incorrectly and both the company and the pharmacist in charge were admonished. Formal investigation of doctors' prescribing costs led to five doctors having sums withheld for excessive prescribing.

Proportion on Each Service

In a total cost of N.H.S. and welfare services in Scotland of £145·628m. the pharmaceutical services accounted for 9·9 per cent. of expenditure, hospital services for 61·5 per cent., general medical services for 7·4 per cent., dental for 4·2 per cent., and ophthalmic for 1·3 per cent.

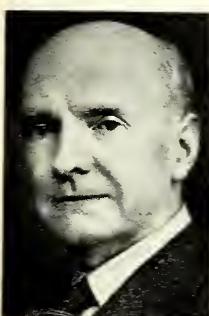
In the Scottish hospital service, dispensaries were staffed by 194 pharmacists and 201 dispensary assistants and

others. The report refers to the Grosset committee report on hospital services in Scotland (see *C. & D.* June 18, 1966, p. 604) and says that the Home and Health Department is keeping in touch with Regional Hospital Boards about action to be taken on the committee's recommendations. Discussions with regional board officers have resulted in an agreement that pharmacist assessors of appropriate grading will be present when appointments are being considered for all posts of deputy chief pharmacist and above.

Toxics Bureau

The Scottish poisons information bureau, located in the Royal Infirmary, Edinburgh, dealt with 702 inquiries in 1966. In 1964 it had 338 and in 1965 504. The 1966 figure comprised 359 inquiries about drugs, 148 about household substances, thirty-three about plants or seeds, twenty-five about agricultural chemicals and 137 about miscellaneous substances ("which ranged from hair lacquers and cosmetics to dog worm tablets and the core of a golf ball"). Hospitals were the source of 475 inquiries, general practitioners 209: 663 inquiries related to patients of whom 432 were children.

There were "disquieting trends" in the admission to hospital of people suffering from the effects of poisons, the largest increase occurring in young women. The majority of incidents were due to self-administered poisons. Number of cases discharged following a diagnosis of poisoning rose from 2,796 in 1961 to 4,409 in 1965.



NEW PRODUCTS AND PACKS

PHARMACEUTICAL SPECIALITIES

Specific Blocking Agent.—William R. Warner & Co., Ltd., Eastleigh, Hants, announce the introduction, as Opilon tablets 40-mgm., of a compressed presentation of thymoxamine (specifically acting alpha-adrenergic blocking agent) which improves peripheral blood flow without evoking adverse side effects. Opilon is indicated in conditions characterised by peripheral ischaemia responsive to alpha-adrenergic blockade (Raynaud's phenomenon, chilblains, labyrinthine ischaemia, acrocyanosis and excessively cold hands and feet). The product is packed in bottles of fifty and 250 tablets.

Now as Suppositories.—Astra-Hewlett, Ltd., have added to their range of Thean preparations Thean 500 suppositories, each containing 500 mgm. of prophylline. The suppositories are indicated for the relief of bronchospasm in adults and are said to be particularly valuable in the treatment of bronchospasm associated with chronic bronchitis and bronchial asthma. The active ingredient is ideally suited to rectal administration being a neutral, stable substance and unlikely to irritate the rectal mucosa. Dose is one suppository once or twice daily. Thean 500 suppositories are available in a pack of ten.

New Steroid Products.—The British Drug Houses, Ltd., Graham Street, City Road, London, N.1, have launched two new pharmaceutical specialities. Fluoderm is a new topical steroid for use in the treatment of all dermatoses, particularly those of the flexures. It has been formulated to minimise predisposition to infection and hasten a swift return of skin integrity. The product is presented as ointment and cream in 15-gm. tubes. Nuvacon is a new British oral contraceptive that is understood to have been tested and proved in over $\frac{1}{2}$ million cycles in four continents. It provides for the first time, it is claimed, the benefits of low-dose oral contraception with megestrol acetate — a pure progestogen with no androgenic and anabolic activity. The pack holds twenty-one tablets.

OVER-THE-COUNTER MEDICINALS

"Fortified" Vitamin Capsules.—Vykmin multivitamin capsule has been strengthened by the addition of two extra vitamins, and two extra minerals. There is no change in price.

COSMETICS AND TOILETRIES

Autumn Make-up Shades.—Joan D'Albret-Orlane (distributors in Great Britain, Sirex, Ltd., Spirella House, Oxford Circus, London, W.1), are launching two new make-up shades for the Autumn: *Bleu Olympique* (Olympic blue) and *Houblon* (hops), each available in lipstick, nail lacquer, *Creme Vestale*, *Ombreligne* (powder eyeshadow) and compressed powder.

Brightener Tooth-paste.—Rexall Drug Co., 19 Castle Boulevard, Nottingham, have introduced a new tooth-paste, "Brightener," which is being marketed



through chemists only. The paste is formulated to clean without harshness. Fresh tasting and pleasantly flavoured, it removes most food, tobacco and other artificially caused stains. The pack is a 150-gm. tube.



NEW PERFUME PACKS: New this year, the 4711 eau de Cologne atomiser and 4711 Tosca perfume in a spray flacon for the handbag are available from Scott & Bowe, Ltd., 50 Upper Brook Street, London, W.1.

Nail Hardener.—Nailoid nail hardener, described as the newest answer to the problem of split, flaking, breaking and cracking nails has been formulated by Allcock Products, Ltd. (distributors: Richards & Appleby, Ltd., York House, Westminster Bridge Road, London S.E.1) to strengthen the tip of the nail. A little of the hardener brushed on-to the nail tips two or three times a week is understood to bond the layers of the nail together.

An All-purpose Lotion for Men.—Shulton (Great Britain), Ltd., 100 Brompton Road, London, S.W.3, have added to their Old Spice series a new product V.S.O.R. (Very Special Old Reserve), prepared from oils from the Comoro Islands, Penang, Timor, Mysore, and Provence, distilled and aged by a maturing process that is claimed to give a subtle, long lasting aroma. V.S.O.R. is intended for use as an all-purpose lotion and is in standard size in supple red gift pouch as well as in a miniature size.

A Range of Fragrance Preparations.—Designed to beautify the body, a new Imagination series of products has been introduced in the Harriet Hubbard Ayer range of Molyneux et Cie (Designs and Perfumes), Ltd., 63 Grosvenor Street, London, W.1. It is intended for the modern woman who "understands the importance of being supremely feminine and *soignée* from top to toe." The new scent is based on

May rose, jasmin and Cyprus, and is presented as a concentrated scent in glass bottle; as a toilet perfume in glass bottle of unusual shape as well as in a black lacquer atomiser; as a creamy soap in pink disc; and as a "silky" talc; as an after-bath oil spray and as a bath oil.

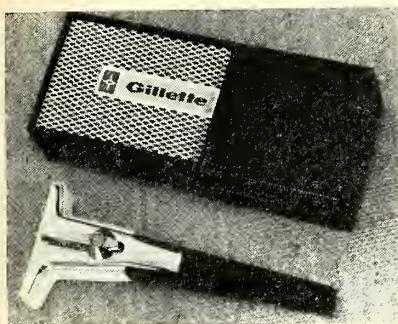
Make-up to Cleanse and Protect.—Dorothy Gray, Ltd., Marshall Road, Hampden Park, Eastbourne, Sussex, have produced a new "Young and Lovely" skin-care range comprising skin cleanser, beauty lotion, cleansing grains, clearing cream, medicated face pads, and heal-and-conceal stick, as well as a creamy skin foundation in three shades. The skin cleanser, a medicated liquid formulated for young "problem" skins, is used with water, to "whisk away" make-up, excess oils and grime and to provide "an invisible protective film." It may also be used in bath or shower, and is understood to be equally effective against blemishes on the shoulders and back. The beauty lotion contains vitamin D, moisturisers, honey, lanolin and hexachlorophene; it is used at night to take care of blemishes, and in the daytime, either alone or under foundation, to protect the skin against the effects of sun or wind. The medicated face pads are medicated to heal and correct acne, pimples and blackheads, and the cleansing grains are for once-a-week use. The clearing cream is for use last thing at night.



NAIL POLISH ON DISPLAY: The new Cutex "Pearls on Ice" of Chesebrough-Ponds, Ltd., Victoria Road, London, N.W.10 (see C. & D., July 15, p. 51).

SUNDRIES

Razor Nationally Launched.—Following success in a test marketing of the Techmatic razor in the London television area, Gillette Safety Razor Co., Great West Road, Isleworth, Middlesex, are launching it nationally. Sales packs available include a merchandiser of six razors and another of twelve refill cartridges. The Techmatic — product of more than ten years' research — consists of two basic parts: a razor body and a replaceable snap-in cartridge. Each cartridge contains a polymer-coated ribbon of stainless steel



providing six shaving edges. A dial on the cartridge shows how many unused edges are left. When the cartridge is exhausted it is thrown away and a refill snapped in. Test launch began in November 1966, and by mid-January 87 per cent. of shipments had been bought by the public.

Glowlight.—Ever Ready Co. (Great Britain), Ltd., 1255 High Road, London, N.20, have launched a new Ever Ready Glowlight (No. 4723) for the bedside, for the nursery or for camping. The lamp is operated from two Ever Ready LPU2 or U2 batteries and provides soft light for a time check or for the preparation of food or medi-



cine without disturbing a sleeping child. It has a push-button switch operation and gives, with intermittent use, a total of ten or twelve hours' service from one pair of batteries. A white translucent top is mounted on a broad base in choice of pink or blue plastic.

TRADE NOTES

Now in Jar Also.—Topsy baby cream is now available from Bellair Cosmetics, Ltd., pharmaceutical division, New Road, Winsford, Ches, in jar as well as tube.

An Economy-size Pack.—Stafford-Miller, Ltd., 166 Great North Road, Hatfield, Herts, have added an economy size pack (contents 113 gm.) to their Dentu-creme range.

A Five-day Pack.—Eli Lilly & Co., Ltd., Basingstoke, Hants, have introduced a 100-mil bottle of suspension of Ilosone (sufficient for a full 5-day treatment on average dosage).

Taxable.—Smith & Nephew Pharmaceuticals, Ltd., Welwyn Garden City, Herts, state that their Trio-kits for contact lenses are now subject to purchase tax.

Now An 18-oz. Aerosol.—L'Oreal's Elnett Satin hairspray in gold-peared aerosol is now offered in an economy-size can, containing 18 oz. Manufacturers are Golden, Ltd., Berkeley Square House, Berkeley Square, London, W.1.

In Clear Shatterproof Container.—Alberto-Culver Co., 44 Newington Causeway, London, S.E.1, are now issuing their VO5 shampoo in a shatterproof, clear PVC bottle having the appearance of glass. The shampoo itself has now a richer lather for faster, easier shampooing.

An Economy Size.—Clairol, Ltd., 66 Baker Street, London, W.1, are launching an economy (4-oz.) size of their Colorfast shampoo in both green and blue formulas. It comes in a PVC bottle shaped so as not to slip out of the hand during shampooing.

Removing Tar From Skin and Clothing.—Targon oil and tar remover is available from International Chemi-

cal Co., Ltd., 12 Chenies Street, London, W.C.1, for dealing with deposits of oil and tar upon skin and clothing. The product is claimed to solubilise the oil so that, after a few minutes, the stains go. Pack is a 2-oz bottle.

Prices Down.—The following new trade prices, notified by Abbott Laboratories Ltd., Queenborough, Kent, too late for inclusion in the Cumulative Price Changes supplement, are effective from September 8:- CVK tablets 125-mgm., fifty, 6s. 6d.; 250-mgm., twenty-five, 6s. 6d.; CVK tablets and capsules, 125-mgm., 100, 11s. 6d.; 500, 54s. 6d., 1000, 105s.; 250-mgm., 100, 22s. 6d.; 500, 105s.; 1000, 205s.



MASCARA WITH REAL SILK: Silk long-lash mascara offered by Helena Rubinstein, Ltd., 3 Grafton Street, London, W.1, for making eyelashes "soft and sweepy, lush and long," by incorporating real silk.

Influenza Vaccine for the Coming Season.—The Crookes Laboratories, Ltd., Telford Road, Hounds Mills Estate, Basingstoke, Hants, announce the new formula of this season's inactivated polyvalent influenza vaccine. The vaccine contains 5,250 haemagglutination units of A2/1/66 and A2/67/63 respectively, and 3,500 H.A. units each of B/78/66 and B/33/58 (total virus content 17,500 H.A. units). The vaccine is described as potent and highly purified, conferring approximately seven months' protection from influenza. It has a low allergy potential as the protein nitrogen content is less than 30 microgram. per mil. When injected, the product is not accompanied by a stinging sensation as the vaccine is formalin-free. Influvac is presented in 1-mil disposable syringe packs, in 1-mil ampoule and in 10-mil and 100-mil multi-dose vials.

Bonus Offers

BELLAIR COSMETICS, LTD., pharmaceutical division, New Road, Winsford, Ches. Topsy baby cream. Twelve invoiced as ten; thirty-six invoiced as thirty.

BOOTS PURE DRUG CO., LTD., Station Street, Nottingham. Fenox drops and spray and Strepsils. Twelve invoiced as ten on order for 6 doz.; twelve invoiced as eleven on order for 3 doz.; (both assorted if desired).

CLAY & ABRAHAM (MNFG.), LTD., 40 Hanover Street, Liverpool, 1. Pulmolactis and Pulmolactis (dietetic). Thirteen invoiced as twelve on order for 1-5 doz. Fourteen as twelve on order for 6 doz. or over.

CROOKES LABORATORIES, LTD., Basingstoke, Hants. Influvac polyvalent influenza vaccine. Extra 5 per cent. on order value £15 or more; extra 10 per cent. on order value £25 or more. Karvol inhalant capsules, thirteen invoiced as twelve on order for 2-11 doz. packs of ten; fourteen as twelve on order for 12 doz. or more. Crookes halibut oil capsules. Thirty-three tins of thirty invoiced as thirty; twenty-six tins of sixty invoiced as twenty-four; thirteen tins of 120 invoiced as twelve; twenty-six tins of thirty, thirteen of sixty, thirteen of 120 invoiced as twenty-four, twelve and twelve respectively.

GEIGY (U.K.), LTD., pharmaceuticals division, Manchester, 23. Desogen lozenges. Ninety invoiced as seventy-two; fifty-eight invoiced as forty-eight; twenty-eight invoiced as twenty-four.

H. J. HEINZ CO., LTD., baby food group, Hayes Park, Middlesex. Two cases of Heinz beginner's size strained foods in 3-oz. cans free with every twenty-cases order for Heinz baby foods bought (strained, junior, can or jar). Beginner's size encourages mother to start her baby on mixed feeding at the recommended seven weeks of age.

LENBROOK LABORATORIES, LTD., 1 Thane Road West, Nottingham. Sweetex. Thirty-six 200 drums invoiced as twenty-four; twenty-four 500 drums invoiced as sixteen. Until September 30. [Corrected note.]

PHILLIPS SCOTT & TURNER CO., ST. MARK'S HILL, SURBITON, SURREY. Pepper-

mint Milk of Magnesia. Twelve 8-oz. bottles invoiced as ten to any new retail-chemist stockist. *Milk of Magnesia tablets.* Twelve 150-tablet bottles invoiced as eleven to new stockists.

J. F. WHITE & CO., LTD., Lovington Laboratory, Benson Street, Leeds, 7. Kompo. 5 per cent. off all rates till September 30.

Premium Offers

BEECHAM TOILETRIES DIVISION, Great West Road, Brentford, Middlesex. Brylcreem vintage car print (one of four designs), with full technical specifications, for three labels from standard-size, two labels from medium-size or one label from a large-size pack. (Last year's scheme extended.)

KELDON, LTD., Wadsworth Road, Perivale, Middlesex. Noxzema medicated skin cream Ninepence off jar; threepence off tube.

PHILLIPS SCOTT & TURNER CO., 2 St. Marks Hill, Surbiton, Surrey.—Delrosa rose-hip syrup. Child's lightweight foldable steel swing at saving of 30s. on production of a Delrosa cap. Till September 30. Bottles incorporate send-away coupon.

STAFFORD-MILLER, LTD., 166 Great North Road, Hatfield, Herts. Dentu-creme, economy-size pack. Sixpence off limited quantity to encourage trial by regular users.

Discontinued

ALLEN & HANBURY'S LTD., Bethnal Green, London, E.S. Tinevet, 500 mils.

ELI LILLY & CO., LTD., Basingstoke, Hants. V-Cil-K tablets, 60-mgm. Pack of 100 (packs of 125 and 250 mgm. continue available).

GÖRNEY, LTD., Cross Bath Road, Bramley, Leeds. Johann Maria Farina red crest range.

Competitions

PHILIPS ELECTRICAL, LTD., Century House, Shaftesbury Avenue, London, W.C.2. Photoflux. Dealers' competition with thirty-one free B.E.A. holidays as prizes and open to those placing order for all or any of the special packs of Philips Photoflux and projector lamps illustrated in the company's advertisement on another page of this issue.

Trade Shows

MIDLAND FOOT COMFORT CENTRE, 14 New Meeting Street, Birmingham, 4. Happy Feet exercise sandals. LONDON, Mount Royal Hotel, October 1-5. Admission ticket from company.

MANUFACTURERS' ACTIVITIES

"Freeze in" at Trafalgar Square.—On Bank Holiday, when temperatures rose to 72 deg. in London, crowds at Trafalgar Square took part in a Cutex "freeze in" organised by Chesebrough-Pond's, Ltd., Victoria Road, London, N.W.10, to launch their new "Pearls on Ice" shade promotion. Six models were in attendance to help people dig more than 800 bottles of nail polish



out of six huge blocks of ice. The crowds were so enthusiastic that all the polish had vanished in just over half an hour.

Films at Expo 67.—"Antibiotic from the Sea," telling the story of the discovery of the cephalosporins and the introduction into medicine of the antibiotic, is one of three films produced by Glaxo Laboratories, Ltd. which are being shown regularly at Expo 67 in Montreal. The Canadian Film Institute selected 800 films from thirty-three countries for a series of programmes under the title 'Insight 67.' The purpose of the programmes was "to reveal the unseen world of nature and to document man's quest to understand his environment." The company's two other films being screened at the international exhibition are "Farming with Immunity," showing how vaccines have been developed for animals, and "Fungus Infection" healing with the antibiotic Grisovin.



CHEMIST'S CHEQUE FOR DISPLAY: Mr. A. R. Prosser (D. P. Prosser Chemists, Ltd., Cambridge Road, Stansted, Essex) shown receiving a cheque for £250, his bonus for displaying details of the Nivea "pace-setter" competition and for selling Nivea to one of the three winners of the competition, in which the prizes were three Lotus Elan sports cars or cash alternative. The presentation was made by Mr. John Balfour (sales manager, chemists' division, Southalls (Sales), Ltd., Welwyn Garden City, Herts.

BANK HOLIDAY "BIG DIG"

A hundred winners unearth £60,000 worth of prizes

ONE of the greatest contests ever run in this country was the Gillette Super Silver £60,000 "big dig" competition on August Bank Holiday. It offered 100 winners, each accompanied by an assistant of his choice the chance to win £60,000 worth of prizes, ranging from a £6,000 Maserati car to a racing pigeon.

Entrants were required to choose from a list of ten objects the five they considered would be most useful on a desert island, and to choose another object that they would like to take, giving reasons for their choice. Hundreds of thousands of entries carried the winning line. From among them 100 were chosen by a panel of judges (Kenneth Horne, Lord Kilbracken, Roy Plomley, Carol Friday and Henry Garnett, the chairman of Gillette Industries, Ltd.). The winners and their assistants were invited to spend the night of August 27 at a London Hotel, before leaving

by special train and coach to the prize-laden beach at Camber in Sussex at 8 a.m. on Bank Holiday Monday. There they were issued with shovels and allocated (by a "quiz" ballot) plots on the 2 acres of sand in which a team had buried 1,000 prizes the previous night. Having found the prizes in their first plot they could move on to a new one, each plot concealing two or three prizes. The 200 diggers worked from 10.30 a.m. to 3.30 p.m. When digging ended they were transported back to the Waldorf for a celebration banquet.

Winner of the star prize — the Maserati — Richard Pugh, a student from Kenilworth, Warwickshire. Richard, a non-driver intends to sell the car. The cash, he says will be useful while he is studying at Bradford University. Advertising executive Tony Steward and his partner "dug up" four Silver Mini Coopers and other prizes.



CROOKES bonus/discount terms

Influvac

Polyvalent influenza virus vaccine

terms

1ml Influvac in Disposable Syringe	12/- each
1ml ampoule	15/- each
10ml vial	80/- each
100ml vial	700/- each

Orders of £15 or more qualify for a discount of 5%

Orders of £25 or more qualify for a discount of 10%

Karvol

Inhalant capsules

bonus terms

Bonus terms are available to registered retail pharmacists,

on packs of 10 capsules in whole dozens from—

1 September until 31 October.

2 dozen to 11 dozen packs of 10 Capsules, 13 to dozen.

12 dozen or more packs of 10 capsules, 14 to dozen.

Retail price inclusive of Purchase Tax. 2/11½d. per tin

A Karvol counter dispenser is available.

CROOKES halibut oil

capsules

terms

(available only on orders direct from registered Retail Pharmacists). 1 September to 31 October.

Parcel E 36 tins of 30 capsules and 3 bonus	Net Cost	£3 0 9
Parcel N 24 tins of 60 capsules and 2 bonus	Net Cost	£3 12 11
Parcel L 12 tins of 120 capsules and 1 bonus	Net Cost	£3 8 10
Parcel X 24 tins of 30 capsules and 2 bonus, 12 tins of 60 capsules and 1 bonus	Net Cost	£7 5 10

Orders over £5 nett, excluding Purchase Tax, carriage paid.



The CROOKES Laboratories Limited
Basingstoke Hampshire Basingstoke 3212

Here....there....

That's Max Factor's new Creme Puff promotion. It's a super-selling, hard-hitting, instant-impact campaign across every possible publicity medium, reaching 86% of the women in this country.

Here

in the press, a stunning, simple, unmissable double-page spread, appearing in every important woman's magazine, telling every woman that when you put on Creme Puff you pat on a happy face.

Woman	8,230,000 readers
Woman's Own	7,180,000 readers
A.B.C. Film Review	632,000 readers
True Romances	1,407,000 readers
Photoplay	206,000 readers
Flair	1,069,000 readers
Showtime	331,000 readers
My Weekly	988,000 readers
Woman's Realm	4,304,000 readers
Woman's Weekly	3,252,000 readers
Woman's Story	1,237,000 readers
Nova	506,000 readers
The People	7,680,000 readers
Sunday Mirror	7,111,000 readers
True Story	1,569,000 readers

There

in the cinema, backing up the press with a brilliant excitingly different colour film in every important cinema throughout the country.

PAT ON A HAPPY FACE

Cumulative price changes

September 9, 1967
**AMENDING C & D
QUARTERLY PRICE LIST
FOR SEPTEMBER 1967**

when prescriptions call for INSULINS. supply

WELLCOME

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Old Spice (1131 Shulton)		Sari (1561 MD)		Tang-y (906 Nutona)				
after-shave lotion		bath bliss 100cc	84 0	22 6	12 6	67 6 (2 doz.)	—	3 9
3712 46 3	12 5	7 0						
3710 69 6	18 8	10 6						
travel pack	3719 54 9	14 8	8 3					
presentation	3711 122 6	32 10	18 6					
talcum	3734 43 0	11 6	6 6					
skin conditioner								
3750 69 6	18 8	10 6						
body talcum	3740 67 9	18 2	10 3					
3742 43 0	11 6	6 6						
Cologne for men								
3722 54 9	14 8	8 3						
3720 74 6	20 0	11 3						
I deodorant aerosol								
3881 43 0	11 6	6 6						
after-shave lotion								
lime travel pack								
3503 62 0	16 7	9 8						
D lime soap	3583 31 6	8 5	4 6					
deodorant aerosol								
3872 —	—	—						
V.S.O.R. all purpose								
lotion	3787 75 0	20 1	11 6					
3782 314 0	84 2	47 6						
D Pan (1524 Chembro)								
I Pan (1164 55L)								
Para Hypon (218 Calmic) +DDI								
tablets	10 20 0	5 6	—					
dp 100 12 Oea	—	—						
Plastules (1352 Wyeth)								
D plain	30							
D folic acid	30							
D liver extract	30							
Polvirin (518 Glaxo)								
D ampoules 1ml x 6								
Radian (1023 Radiol)								
massage cream 4oz 40 0	11 0	5 6						
—B 4oz 40 0	11 0	5 6						
Remington (1044R)								
shaver								
5electric 300	140 3ea	37 7ea	231 0					
Rolleicord (637 Hunter)								
camera VB	—	—	1246 6					
D S.7 (218 Calmic)								
D cream 30gm								
D pessaries 12								
Sanatogen (1530 Fisons)								
selected multi-vitamins plus iron	60 112 0	—	14 0					

THIS WEEK'S CHANGES

Prices are given in the sequence Trade Price per Doz.; Purchase Tax per Doz.; Retail Price. Bold upright figures (2 9) in the retail price column indicate that the price is subject to resale price maintenance; italic figures (2 9) that it is recommended by the manufacturers; and light upright figures (2 9) that it is "notional" as a guide to the retailer in determining his own retail price.

Akineton (86 Barclay)		Crystapen V (518 Glaxo) T5		New Standard				
tablets	20			60 x 30	F5	—	—	119 6
Albamycin (1263 Upjohn) TS				60 x 48	FD	—	—	169 6
tablets 250mgm								
100 180 Oea	—							
D Ampicloxx (1393 BRL)								
I Ampicloxx Neonatal (1393 BRL) T5								
Ancoloxin (179 BDH) ts7								
R tablets	250 101 4ea	—	152 0					
● Assugrin (1493 Zyma)								
Fullsweet cubes								
100 31 6	—	3 6						
R Biopar (61 APC)								
forte tablets	60 10 8ea	—	16 0					
500 76 0ea	—	114 0						
D Calcium-Diuretin (86 Barclay)								
● Camdogon (221 Camden)								
horse ringworm treatment 450 mils 16 Oea	4 5ea	28 5						
● Candepatin (774 LR) T5								
vaginal tablets 28 18 10ea	—	28 3						
D Cardiazol (86 Barclay)								
liquid 10% 100mls								
D Cardiazol Dicodid (86 Barclay)								
D Cardiazol ephedrine (86 Barclay) all packs								
R Cinemax (817 MP5)								
cine camera C401	—	—	1199 6					
Crystapen G (518 Glaxo) T5								
tablets 125mgm								
100 10 6ea	—	15 9						
500 50 0ea	—	75 0						
250mgm 100 20 0ea	—	30 0						
500 97 6ea	—	146 3						
R								

Furan

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50mg tablets 23/- per 50

100mg tablets 43/- per 50 Basic NHS prices



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Copal Sekonic Eye 300	—	—	1239 0	● Marcus (1391 MHL)	after shave	8 6ea	2 4ea	15 6	Personality (31 AP)
exposure meters	—	—	90 0	Cologne	10 8ea	2 11ea	19 6	(distributors 1054 R & A)	
PR60 Cd5	—	—	106 5	deodorant	4 8ea	1 4ea	8 6	bath velvet	
PR65 Cd5	—	—	99 6	hair dressing	4 8ea	1 4ea	8 6	44 0	
Sekonic L8B	—	—	319 5	talcum	5 9ea	1 7ea	10 6	71 0	
Brockway L28C	—	—	66 10	tonic bath	8 6ea	2 4ea	15 6	12 1	
Brockway slides	—	—	92 10	trayette complete	42 9ea	11 10ea	78 0	19 6	
Auto Lumi L86	—	—	279 6	aquabath foam	9 0ea	2 6ea	16 6	10 6	
Viewmeter L206	—	—	785 10	Cologne	10 8ea	2 11ea	19 6	D Priatan (86 Barclay) all packs	
Marine L164	—	—	720 0	deodorant	4 8ea	1 4ea	8 6	Rexall (1053 Rexall)	
projectors, cine	—	—	720 0	facial cleanser	6 11ea	1 11ea	12 6	● Brightener	
Loadmatic Dual 8	—	—	720 0	hand and body	—	—	—	toothpaste 150gm 32 6	
projectors, slide	—	—	720 0	lotion	5 9ea	1 7ea	10 6	I Ricoh (565 Haninemex) existing entry	
Hanorama 300	—	—	239 6	talcum	5 9ea	1 7ea	10 6	Ricoh (565 Haninemex)	
Hanomat IQ	—	—	470 0	vanity tray complete	42 9ea	11 10ea	78 0	cameras 35mm	
Hanomat Auto IQ	—	—	645 0	D Moviscop (1436 D & Co)	—	—	—	126-C-EE	
La Ronde IQ	—	—	510 0	Moviscop (520 Gnome)	—	—	—	case	
Auto IQ	—	—	665 0	editor viewer	16	—	—	126 Auto	
Auto S00	—	—	590 0	standard	8	—	—	Super Shot	
Super Auto IQ	—	—	799 6	A = Price Advanced	—	—	—	case	
with lamp	—	—	879 6	R = Price reduced	—	—	—	Singlex TLS	
with timer and	—	—	899 6	● = New entry	—	—	—	case	
lamp	—	—	979 6	D = Delete	—	—	—	Ricohflex CdS	
viewers	—	—	21 0	C = Correction	—	—	—	case	
Hanimette	—	—	—	I = Insert	—	—	—	projector	
Ilosone (413 Lilly) TS	—	—	—	—	—	—	—	Trioscope Dual	
for oral suspension	—	—	100mils 11 8ea	Nembutal (2 Abbott) 151s14A	—	—	—	—	
Iod Calcium Diuretin (86 Barclay)	—	—	17 6	capsules 100mgm	100 11 4ea	—	15 1	I Riddon (1059 Riddell) †	
Jean Sorelle (669 Sorelle)	—	—	SO804 67 0	500 52 8ea	—	70 3	Sovento (86 Barclay)		
glass decanter	—	—	SO715 32 7	1000 99 9ea	—	143 0	D jelly		
bubble bath	—	—	teenage doll SO716 53 7	5000 490 2ea	—	653 7	D Styptol (86 Barclay)		
Kilkof (939 Parkinson)	—	—	3oz 18 2	Opilon (1278 VD)	20 6	S 8	Tabac Original (961 EGP)		
Kotex (702 KC)	—	—	8oz 36 4	(distributors 1310 WWV)	—	2 9	C deodorant spray		
sanitary towels	—	—	10 0	● tablets 40mgm	50 18 0ea	—	84gm		
size 1	I2 23 6	—	5 0	250 84 0ea	—	24 0	147gm		
S 10 6	—	—	5 0	D Smgm 50 and 200	—	—	I soap toilet size (1)		
size 2	I2 26 3	—	—	Papaverine (86 Barclay)	—	—	bath size (1)		
size 0	I0 18 0	—	2 0	Paracodin (86 Barclay)	—	—	D Trio-kit (1154 SNP) existing entry		
				drops 100mls	—	—	I Trio-kit (1154 SNP)		
					—	—	original 21 0ea 2 8ea 30 2		
					—	—	de luxe 40 0ea 8 3ea 63 3		

AMENDMENTS TO KEY TO SUPPLIERS

- 614 Hoechst = **Hoechst Pharmaceuticals, Ltd.**, Hoechst House, Kew Bridge, Brentford, Middlesex. 01-995 1355.
 1242 Toni = **Toni Co.**, 101 Syon Lane, Great West Road, Isleworth, Middlesex. 01-568 0331.
 1389 Merz = **Merz & Co., Ltd.**, 33 Earl Street, Maidstone, Kent. Maidstone SS471.
 1391 MHL = **Mardina House, Ltd.**, 20a Selsdon Road, South Croydon, Surrey, CR26PA. 01-688 1200.
 1416 NSC = **Nilodor Supplies Co.**, Daniel Street, Oldham, Lancs, Main 6421.

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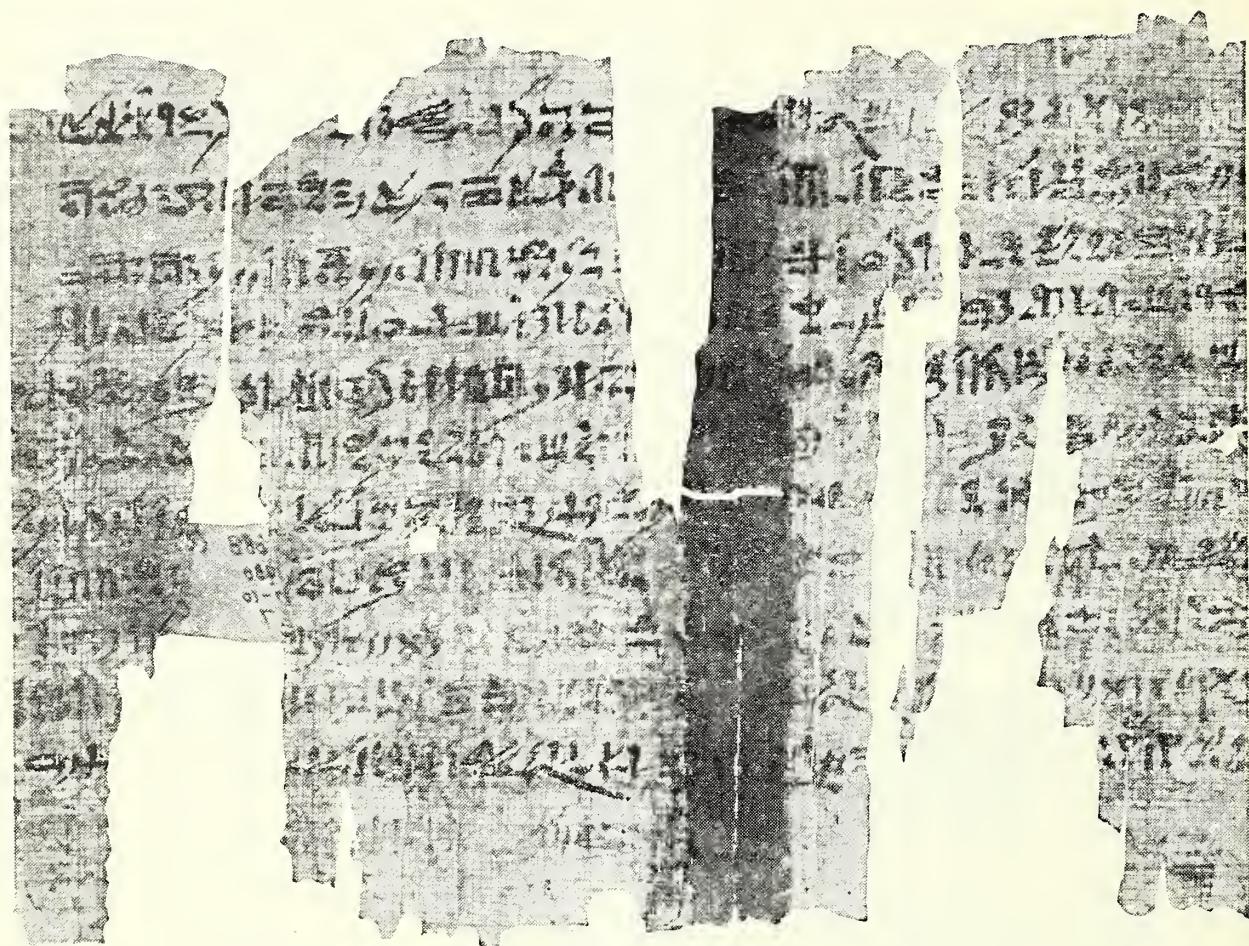
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though these texts were to be used to exorcise assorted ills. The right nutritional supplements are generally much more effective.

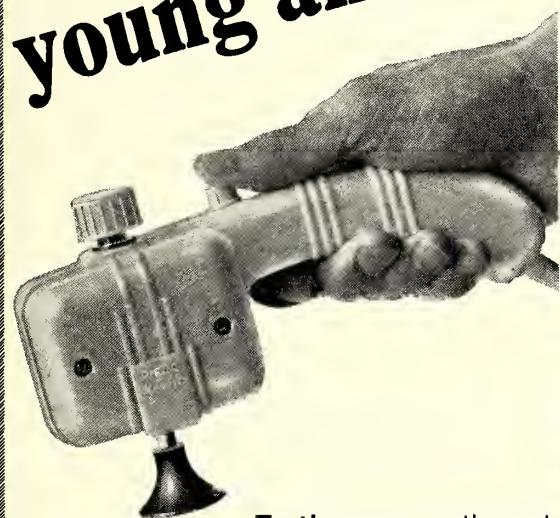
From the findings of numerous dietary surveys in the last 20 years, it is clear that many elderly patients are subsisting on sub-optimal nutritional intakes. It has been shown recently that as many as 6 out of 10 elderly patients admitted to hospital are vitamin B1 deficient, and 4 out of 10 low in vitamin C. Infections, to which the elderly are so

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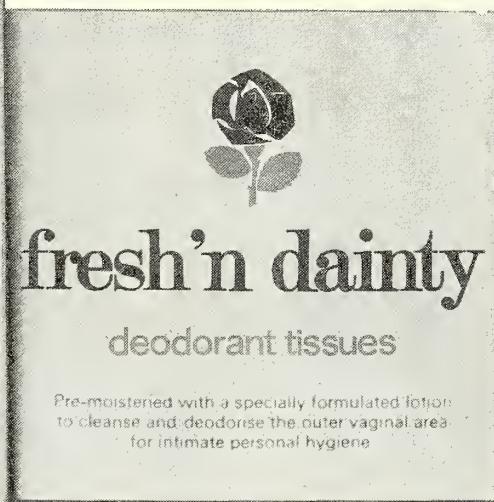


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Correspondence

Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not hold himself responsible for the views expressed.

An Additional Point of Interest

SIR.—With reference to the interesting article in your issue of August 26, I would like to mention, just for the record, that May Roberts (Ireland), Ltd., have, in addition to their other "important commitments" acted as exclusive importers and distributors of Ex-Lax products since 1938.

A. G. BITTON, *Managing Director, Ex-Lax Ltd., Slough, Bucks*

Buyers' and Managers' Conference

SIR.—As general secretary of the Retail Buyers' and Managers' Association it has come to my notice that there is some confusion in the trade regarding our annual residential conference at Pembroke College, Oxford. Apparently there is a widespread impression that only members of the Association are eligible to attend. That is not the case. Anyone of reasonable standing in retailing is welcome to apply to me for details. This year the conference is from the evening of Monday, September 25, until mid-day on Thursday 28, at an inclusive fee of twelve guineas. The subjects will include cost accounting, promotions and advertising, with the usual invaluable group discussions amongst delegates.

H. C. DIXON, *General Secretary, 47 Victoria Street, London, S.W.1 (Telephone: Abbey 3583)*

Overcoming Anomalies

Sir.—We have applied to our Executive Council for special dispensation for the oncst payment, as we opened our business only in May of this year. That means, of course, that we have received no overpayment whatever and yet, as our business grows, we shall be repaying more and more of what we have not received. We were referred to the National Pharmaceutical Union and received a reply from Mr. Wright of the Contractors' Committee that, unfortunately, certain anomalies must occur. We enclose a copy of our reply which we hope you will publish in your columns. We are going to join the Chemists' Action Group and ask them to employ an accountant and statistician to resolve this problem and pass the cost on to members. We would urge all other interested pharmacists to do the same.

I AM amazed that the Committee simply accepts from the Ministry of Health a situation whereby the very pharmacies who need help during their initial stages are those which are being most penalised by the present system, which has been agreed upon by the Committee and the Ministry of Health. Surely the Committee is able to say "No" and not just "Yes, Sir; No, Sir; Three bags full, sir." With the statisticians and accountants involved, a simple formula calculated from the months of overpayment received, the number of prescriptions being dispensed and likely to be dispensed during the next three years, and the amount of repayment involved, could be calculated and a once-only payment made to new contractors to cover the repayment. The anomaly thus produced would certainly not be of the

magnitude of the present one and would certainly be fairer. After all, no anomalies are produced by our income-tax system, as the public is protected by professional advisers. Perhaps our negotiators could also become professional and not accept this situation. The number of pharmacies involved can only be about 200/300 and this would only take an experienced accountant about one week and cost 4s. per pharmacy; an amount which each pharmacy would, no doubt, gladly pay—to prevent any anomaly, of course.

D. B. COHEN,
Enfield, Middlesex

A Secret of Success

SIR.—I would ask Mr. Richardson ("A Paradox?", *C. & D.*, September 2, p. 200) if he has thought of treating National Pharmaceutical Union products as his "own" products, as do so many of his N.P.U. colleagues throughout the United Kingdom. Certainly his competitors, whom he mentioned in his letter, treat their own brand products in this way. Surely this is one of the secrets of their success. It does mean, however, prominent displays (in quantity), enthusiastic recommendation at every opportunity, and consistent selling against "open" requests. He will soon find that the powerful "marketing formula"—competitive pricing, high quality and attractive packaging—backed by his support, will result in N.P.U. lines, in product group after product group, achieving a highly satisfactory rate of stock-turn in his own pharmacy. And, quite apart from the obvious long-term benefits to "private" pharmacy, the generous margin on all N.P.U. products means that this stock-turn is coupled with high profitability. I can assure Mr. Richardson that N.P.U. sales figures prove that whole-hearted retailer support does bring success—without vast advertising expenditure—even in today's highly competitive marketing world. Individual effort on the part of N.P.U. members (and it does require effort) is undeniably well worth while.

J. WRIGHT, *Secretary, National Pharmaceutical Union, London, N.14*

On the Same Side of the Fence

SIR.—Congratulations to Xrayser for a fair comment on our letter; we meet on common ground at last (*C. & D.*, September 2, p. 193). We hope he will forgive us for having designated his original proposal as nonsense but know he will agree with us that until a reconstitution of the central body is effected it just is not possible to bring effective pressure to bear through Pharmaceutical Committees. The Central N.H.S. (Chemist contractors) Committee appear to be a law unto themselves, never consulting local committees before arriving at a decision. We challenge them to give us one example in recent years when they have ever consulted Local Pharmaceutical Committees on any major issue before they had already agreed matters with the Ministry. We are fed up with being

told, when everything is over except putting on the rubber stamp and of reading in the Press, that we (repeat we) have agreed that we are grossly overpaid. May we suggest, therefore, that Xrayser and the pharmaceutical Press should, together with the N.E. London Pharmaceutical Committee, lead a nation-wide campaign to reconstitute the central body on lines similar to that operating in Scotland. We have often wondered why the Scottish chemists seem to fare better than their brethren over the border—we may now have the answer—their negotiating body is democratically elected and is answerable to the practising pharmacist. Thank you—Xrayser—for giving us the method used in Scotland. Xrayser and the N.E.L. Committee appear to have come forward with similar ideas. At last we are on the same side of the fence, Xrayser, and if you, the N.E.L. Committee and the Press get on with such a campaign, we and thousands of other pharmacists, we are sure, will back you to the hilt. You could well revolutionise the pharmaceutical profession and gain it some respect. Perhaps together we may all produce a negotiating body that will go forth looking more like St. George and less like a mixture of Don Quixote and Lady Godiva.

E. C. EVANS, London, E.13
R. G. WORBY, London, E.17
G. B. DAVIE, London, E.16
F. E. STANSFIELD, London, E.12
G. BAXTER, Redbridge
JAMES WILSON, London, E.13
J. ROBERTSON, Romford
E.D. PHILLIPS, London, E.13
J. CONNOCK, London, E.15

Tetracyclines and Teeth

SIR.—I was interested to read your paragraph on the subject of tetracyclines and teeth (*C. & D.*, August 19, p. 147) summarising an article on paediatric preparations published in the August 4 issue of *Drug and Therapeutics Bulletin*. You correctly quote the *Bulletin* as suggesting that oxytetracycline is the tetracycline least likely to cause teeth staining when a short course is given, but the article has not reviewed all the literature or commented on a recently marketed paediatric preparation, though information on the compound was supplied to the editorial board. Clomocycline (Megaclor) is a highly soluble antibiotic, is rapidly and well absorbed from the gut, and is clinically effective in low dosages (Chappell (1965); Marshall (1966)). Furthermore, it is the least stable of all the tetracyclines and is excreted rapidly and in high levels in the urine. Tubaro (1964) carried out ultra-violet light studies on the deposition of clomocycline and other tetracyclines in the skeletal system of chick embryo, rabbit neonates and Witsar albino rats and showed that clomocycline did not cause any significant

degree of fluorescence in any part of the body, whereas the others showed varying degrees of fluorescence of the skeleton and occasionally of some soft tissues. His conclusion was that a direct relationship appears to exist between the stability of a tetracycline and its concentration in the foetal skeleton, and he suggested that it should be safer to use an unstable tetracycline clinically in order to avoid undesired effects in the foetus. Tubaro's findings and conclusions for developing bones are comparable with the findings, for developing teeth, of Weyman (1966) who stated that strong staining with demethylchlortetracycline is thought to be due to the fact that the compound is a stable tetracycline and is retained in the body for long periods, and is less readily excreted than other members of the family, thereby allowing a longer time for the antibiotic to chelate with the calcium and become deposited in teeth and bone undergoing mineralisation. The points outlined above were published in a letter by Buckley (1967) in the *British Dental Journal* and stimulated some additional work by Owens and Stewart (1967) and their preliminary findings show that staining with clomocycline and oxytetracycline are equal in daylight and clearly less than that of the other tetracyclines examined. It appears that this work was done on an equal basis, whereas the dosage requirements for clomocycline are less than for oxytetracycline (170 mgm. four times daily against 250 mgm. four times daily and proportionately less in children). The point is important, as the total dose administered is thought by Bevelander and Nakahara (1966) to be a critical point in the discolouration of teeth. I feel that the work carried out with clomocycline demonstrates that it is at least as acceptable as oxytetracycline for administration to children.

A. J. MARTIN, M.B., M.R.C.S.,
Medical and Research Director,
PHARMAX, LTD.,
Crayford,
Kent

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Notional Salary the Crux

SIR.—I am accused both of being satisfied by our payment for our National Health Service dispensing, and of being a "Defender of the Faith." Anyone but a biased reader would realise that this is far from the truth, and anyone knowing my past record would appreciate that no one has criticised our negotiators, publicly and privately, more strongly than I have, when such criticism was appropriate. To liken our position to that of the doctors shows complete lack of thought. Not only are they the basic element in

the Service, but they also appear to have an ostensible unity, sadly lacking in our case. One has but to recall the time of the "Enoch Powell" cut, and the result of the whispering campaign of our withdrawal from this service. Facts, however, must be accepted, and the Ministry will only negotiate on figures, not pleas or prayers or demands, or even threats. Unfortunately these said figures prove that, on our present notional salary, the payment we now receive is our just entitlement. Obviously the crux of our problem is this notional salary, and with all the diatribes against the present constitution of the Contractors Committee, which I have attempted to alter in the past, where is the inspiration that will convince the Treasury that this notional salary is far below our true value? It is based on the salaries paid by the multiples, the J.I.C. scales, the hospital pharmacists, plus an uplift to cover the extra work involved by manager and/or proprietor in controlling the N.H.S. part of the pharmacy. If the three categories mentioned can be raised, and they are being (too slowly perhaps) then we have a case for argument to be added to that of increased cost-of-living expenses. It must not be forgotten that it was the representatives of the Local Pharmaceutical Committees who accepted the present agreement, not the Committee itself, and despite the fact that I was one of the minority voting against, it covers us for a decrease as well as an increase in dispensing. Let's be honest and admit there would be no outcry had our basis of payment remained with a drop of 33 per cent. in the number of prescriptions rather than the present upsurge. I repeat I am not satisfied with my remuneration, I am not satisfied with the constitution of the Contractors' Committee. But I am satisfied with the efforts of the present members within the confines of the contract we agreed. Unless and until some spark of genius is shown by an action group or an agitating committee, I must abide by the decision of a majority of my colleagues at a full meeting of Pharmaceutical Committee representatives.

MAXWELL GORDON,
Leeds, 17

Staffing the Group Pharmacy

SIR.—E. C. Tenner in "Open Shop" (*C. & D.*, August 26, p. 177) would have found, if he had read my letter carefully, that I didn't imply that one or two extra pharmacists need necessarily be engaged to staff the group pharmacy, nor that all the estate pharmacies need necessarily be kept open. However, in rare circumstances such a situation could arise. I agree that Mr. Jenkins has a grasp of the situation, and I have a great respect for his energy (except on the one occasion when he was slating an officer of the Society). However, Mr. Jenkins's letter did omit reference to the dangers of leaving the "analgesics" to the "toffee shop," and he seemed concerned only with dispensing. Still he, like myself, was inhibited in full explanation by the need for brevity. The only point

I would add to my letter in extra explanation is that the pharmacy near the doctors' group practice (a pharmacy group practice) might well (even if in a shopping centre), close for a tea break if only one afternoon pharmacist were present and if it were open until 7 p.m. or later (I am not necessarily advocating later). Such an arrangement would be of infinite assistance to the person drawing up the duty roster in a rota scheme. I have had some experience of those difficulties. The question of what, if anything, can be left for the toffee-shop and grocer to handle is one of the reasons I feel the Pharmaceutical Society should be brought into the Central N.H.S. (Chemist Contractors) Committee immediately. The artificial division of medicines into "ethical" and the rest is an anachronism, and is at breaking point anyhow, because of the lucrative market now open in self-medication, where professionalism can be pushed aside.

T. W. STEARNE,
Manchester, 10

P.S.—Parliament in its wisdom abolished price maintenance, but could not prohibit bait activity at any level other than bare cost, thus putting competition in command of the economy but over diverse fields. This may be alright (with certain reservations—visible in U.S.A.) in general commerce, because in the long run the public can judge for itself. Definite exceptions being certainly where there is need of a liberal profession. Medicines legislation awaits the provision of Parliamentary time. In the meantime only N.H.S. dispensing has any protection! Restrictive practices legislation appears applied to pharmacy and medicines otherwise than N.H.S., and this is loaded against the independent units. Multiples (vertical and diversified organisations) can operate uniform prices and are safe unless they reach a monopoly position defined as $\frac{1}{3}$ of the market. This does not apply to N.P.U. except by goodwill within N.P.U. Finally, I think Mr. Jenkins and Mr. Tenner would both agree that there will always be need of some pharmacies away from the group surgery or Health Centre. My pharmacy is designed so that the counter can be supervised from the dispensary via the hatch and also rapid access both sides; I can see and hear all and I want paying for my total supervision. How much from public funds and customer can be to some extent variable.

PRESCRIPTION POSER

"EASY enough to read but difficult to dispense" was how the Somerset

Chicken Poic = 1% Phel
3 VI

pharmacist who received it described the prescription illustrated. Yes, and somewhat anti-social, too it might be added.



C & D CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

ESTABLISHED 1859

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Safeguards for Pharmacy's Future

SOME pharmacists in some situations have already been thinking (or are being compelled to think) about health centres and group practices as a tangible threat to their existing businesses.

The problem in its acutest form was put by E. C. Tennen (*C. & D.*, July 29, p. 101) when he wrote:

"A small community that supported one pharmacist was suddenly enlarged to act as an overspill area for a nearby city. Three large new estates were built . . . On each estate the local authority made available shop accommodation for a pharmacy and, presumably in order to better attract a pharmacist, actually built a doctor's surgery next door to each pharmacy. The pharmacists and doctors moved in and, so far as could be seen, everyone was reasonably happy . . . Now . . . the local authority has been bitten by the health-centre bug, and proposes to build central premises for the doctors, closing down the surgeries on the estates . . . and leaving the three pharmacists in a hopeless position. They all state . . . that, when they lose the surgeries, their businesses will no longer be viable. They have therefore approached the local authority regarding the possibility of acquiring central premises, which they propose to run as a group-practice pharmacy, and it is quite possible that they will succeed in this object. A reasonable solution, one might say, but is it the answer, so far as pharmacy is concerned?"

The outstanding example of the true health centre as it exists at present is the one at Sighthill near Edinburgh, and it has been understood or believed about the costings of that centre that they offer no inducement to the Government for the inclusion of pharmacies on the same basis in new health centres as they are set up.

In London a so-called health centre of substantial size and importance, under public authority auspices, has been in operation at Woodberry Down for some years, but in strict parlance it would come nearer to the conception of a group-practice. Though as originally planned it made provision for a pharmacy department, in fact no pharmacist was installed, the authority (at the time the London County Council) having been persuaded that the pharmaceutical requirements of patients seen at the centre could be adequately dealt with by general-practice pharmacists in business in the vicinity of the health centre.

There is no reason to suppose that the L.C.C.'s successor, the Greater London Council, has had any second thoughts on that subject, and we believe the local chemists have been more than adequate to the demands made on them. There is no guarantee, however, that the G.L.C. will think the same way about any new

centres it might see fit to set up. It could very well consider that the health centre of today calls for a pharmacy department, and as there was no formal contract with the chemists around Woodberry Down, there is, by the same token, no automatic blueprint for an arrangement with chemists elsewhere.

For many years pharmacists may have had some cause to hope that the idea of pharmacies within health centres had been put on one side, perhaps permanently. Recent trends show that this is by no means the case.

The return to power of a Labour Government brought a return to viability of the intention of the political architect of the National Health Service, the late Mr. Aneurin Bevan, that the future development of the Service should be on health-centre lines.

The revised financial arrangements made within recent months by the present Minister of Health (Mr. Kenneth Robinson), to the medical profession, include provisions for financial assistance in rehabilitating doctors' premises. That, in turn, must imply a greater interest by the Government in the way money on surgeries is spent, with possibly pressure towards group practices as being likely to lead to financial economies to the Exchequer.

In the course of years the attitude of the doctors themselves towards group practices has also changed. The extreme individualism that once made every doctor a "prima donna" unwilling to pass over his patients even temporarily to a partner, has gone or is going, though it may never entirely disappear. Some have entered health centres rather than let others do so and have found, in practice, that a colleague can "stand in" without ruining the original patient/doctor relationship, and that all the practitioners in a health centre can hand over to non-medical personnel the boring business (as some doctors regard it) of maintaining records (even, in some instances of writing the prescriptions). Those doctors who have remained in individual practice have, for their part, come to look to grouping as their only hope of greater leisure.

So far as the patients are concerned it is probably true that smaller practices in greater numbers suit them very well, and that they are not at all keen to be compelled to go to greater distances to health centres or group surgeries for their medical treatment. On the other hand there is considerable evidence that they take their prescriptions to the nearest pharmacy that is open on their way home. Any pharmacist so placed would be unwise, therefore, to suppose that his personality, or the fact that the patient can buy other things at his counter while waiting for a prescription to be dispensed, would hold his customers if they found they could have their prescriptions made up in the same premises as the surgery, and were able to go straight home from there.

For the doctors, too, the prospect of a rewarding outcome of a decision to group themselves together must appear greater if they can include a dispensary in their group surgery.

All these considerations seem to point to one focus for pharmaceutical policy. It would be futile and Canute-like, as well as being bad public relations, to try and frustrate the creation of any health centre or group practice anywhere. It would, however, be sound sense, and perhaps the only guarantee of pharmacists' continued existence as a profession, to see to it that, in every health centre or group practice pharmacy, the

pharmaceutical activities were fully under the control of a pharmacist or pharmacists, and that pharmacists so engaged should be remunerated at levels that acknowledged their professional competence, independence and responsibility.

Any such enterprises as demanded cheap or unqualified labour in order to operate a pharmacy should be denied the opportunity to do so. The public should at the same time be educated to expect the standard of pharmaceutical service they can only get when it is under the control and supervision of pharmacists. Pharmacists should train themselves to appreciate that their future depends on adequate remuneration for their services as pharmacists, whether in the capacity of contractors, employees of contractors, of chiefs or assistant pharmacists in hospital pharmacy departments, or of pharmacists in health centres or group practices. A weak spot in any part of the line must undermine welfare and status in any other part.

It is to those ends that the Pharmaceutical Society, the National Pharmaceutical Union, the Guild of Public Pharmacists and individual pharmacists should bend all their policy-formulating activities.

“OPEN

By E. C.

IT surely was a shocker. I refer to the item in the report of the August Council meeting, which dealt with the sale of a pharmacy to a firm of doctors on the death of the pharmacist. I suppose one cannot really blame the widow, although one would have thought she would have contacted the Pharmaceutical Society's Council before taking such action. My own sympathies lie with the Local Pharmaceutical Committee and in particular with the members of its dispensing committee, and I am given to wonder how they will tackle the problem if the matter of rural dispensing ever comes to a head. However, the matter has now been dragging on for about eighteen months so, despite the efforts of the Central N.H.S. Committee, it may die a natural death, and my colleagues on that dispensing committee will be spared some embarrassing moments. Nevertheless the problem is certainly a most serious one, and I am happy to note that the Council is treating it in that light. Apparently the Council is even preparing a document that will suggest means of preventing further happenings of a like nature. I wish them every success in their efforts for, if we agree on nothing else, we must all agree that our Council are experts at preparing documents.

Hidden Losses

In the past there has been a considerable amount of comment in various quarters on the subject of contractor's "hidden profits," though little has been heard at the same time, of our hidden losses. I think I would be right in suggesting that every day most of us throw away a few broken tablets without considering how much actual loss they represent in hard cash. That was brought home to me a few days ago when I found, in a tin of 250 tablets, about twenty broken ones. A quick calculation suggested that they had cost me about 10s., and I was so incensed that I immediately parcelled them up and sent them back to the makers, accompanied by a few brief and perhaps somewhat sharp comments. I am pleased to report that I have had a reply expressing the makers' apologies and an intimation that I will receive replacements at an early date. I am now considering ways and means of preserving the more expensive broken tablets until they amount to a sufficient number to return to their makers. It also occurs to me that, if sufficient of my colleagues took similar action, we might see a considerable improvement in the

Medical Terms Explained

A NEW edition of "The Chemist's Dictionary of Medical Terms" is now available. Issued on September 8 it is to some extent under new auspices, the imprint on the title-page being now "Morgan - Grampian." The change is marked not only by a change of cover—now a mottled light blue instead of the bronze blue that has for some years characterised the C. & D. series of books; there is also now an attractive "dust jacket" that will make the book pleasanter to handle and use and give added protection to the cover during at least the first stage of its career. However, the paramount concern of any book buyer is with the contents, and the present edition (the eighth) has been brought up to date in two ways. In the light of medical developments the definitions have been revised where necessary, and many new terms have been added. Compiled primarily for pharmacists, and invaluable—indispensable even—to them, it will, on the experience of previous editions, appeal to purchasers in many other spheres, especially those engaged in the manufacture, sale or use of medicinal products.

SHOP”

TENNER

general standards of manufacture and packaging of tablets. After all, unless we take the trouble to complain, why should the makers worry about the quality of their work? To them a thousand broken tablets means an extra thousand sold. One could almost suggest that they have a vested interest in poor-quality work.

It was with considerable personal interest that I read two items of correspondence in your issue of August 26. The letters in question are those of Mr. R. J. Sambridge and the group of North-east London pharmacists. My main interest in them lies in the fact that they make exactly the same suggestion regarding a possible means of reconstituting the Central N.H.S. Committee on more democratic lines as I made in this article some months ago. I would, however, point out that, although election by and from the Pharmaceutical Committees would be more democratic, it is unlikely that it would lead to many changes in personnel, for I am quite sure that most, if not all, the present members of Central N.H.S. Committee are prominent members of Pharmaceutical Committees. There would, however, be the distinct difference that their loyalty would be directly to the Pharmaceutical Committees and through them to the general body of contractors. Some years ago we had a perfect example of the way in which the present method of appointment can flout the wishes of the contractors. I do not think that anyone can reasonably suggest that the 1962 N.P.U. election in the North-east was fought on other than a purely N.H.S. platform. It took place at the height of the Powell troubles, and feeling ran high. The result was that John Reed replaced George Graham on the N.P.U. Executive, and one would reasonably have thought that, in view of the special circumstances attending his election, Mr. Reed would immediately have been elected to the Central N.H.S. Committee in deference to the clearly expressed wishes of the electors. That, however, did not happen. When I discussed the point with one of the then members of the N.P.U. Executive, I was told that Mr. Reed would have to serve a number of years' apprenticeship as a member of the N.P.U. Executive before he could hope to aspire to the Central Committee. This argument I could not, and still cannot understand. Our Central N.H.S. Committee is now too important to be left to the chance whether or not a man's face fits at Mallinson House.

ON THE SIDELINES

★ CAUSE OF A SCARCITY ★

IN that home of so many innovations—the United States—the "hippies" (one of those innovations) have apparently been going for a preparation having reputedly hallucinogenic properties and sporting the surprising title of "Sex Juice." Tests on the preparation carried out recently, have shown, according to the London *Daily Express*, that the active ingredient is nothing more than concentrated peppermint oil. The Food and Drug Administration said in announcing results of the tests, that the substance was "relatively harmless." Authorities had picked up a batch, distributed in sugar cubes, in New Jersey. Could it be that this new application caused the almost scarcity position in the oil and high prices that have ruled during the past year? Now that it has been disclosed perhaps a return to normal trading may be looked for.

★ FOLKLORE IN MEDICINE ★

THE illustration to this paragraph is from "A Handbook of Irish Folklore" by G. O'Suilleabhain, and one of a series of pictures illustrating medical folklore which Burroughs Wellcome & Co. have been using in communications to doctors. The pictures were painted by Mr. P. V. Moon, A.R.C.A., M.I.S.A., who has given considerable attention to historical detail, ensuring an authentic setting for the subject. The



one shown is of the passing of a whooping-cough sufferer under and over a donkey — a treatment not much practised today. Another illustrates a one-time habit of tying rags to the branches of trees to conquer maladies of various kinds. The rag was first dipped in the water, and the afflicted part of the body bathed with it. It was then tied to the branch of a nearby tree. The practice was illustrated in an article in the *Welsh Gazette* in the early nineteen hundreds by J. Ceredig Davies.

A PHARMACIST'S ANTHOLOGY AFTER THREE YEARS OF EXPERIMENT

From "Strictly Business," by O. Henry

Now, I'd like to make you a proposition. I'm worth about \$40,000,000, and I'm getting richer every day. I made the height of it manufacturing Aunt Patty's Silver Soap. I invented the art of making it. I experimented for three years before I got just the right quantity of chloride of sodium solution and caustic potash mixture to curdle properly. And after I had taken some \$9,000,000 out of the soap business I made the rest in corn and wheat futures. Now, you seem to have the literary and scholarly turn of character; and I'll tell you what I'll do. I'll pay for your education at the finest college in the world. I'll pay the expense of your rummaging over Europe and the art galleries, and finally set you up in a good business. You needn't make it soap if you have any objections.

NEW BOOKS

Organisation

ERNEST DALE, *American Management Association*. Agents: *Bailey Bros. & Swinfen, Ltd.*, 48 Upper Thames Street, London, E.C.4. 9½ x 6½ in. Pp. 368. 108s.

THE author not only discusses standard company-organisation practice but explains and evaluates new ideas and experiments. The text is based on a study of practices in 166 large and medium-sized companies. The text is supplemented by over thirty charts and nine appendices. A chapter deals with the impact that the high-speed computer is having on organisation.

Growth Through Industry

Institute of Economic Affairs, Ltd., 66a Eaton Square, London, S.W.1. 8½ x 5¾ in. Pp. 157. 15s.

THIS is the second in the I.E.A.'s new series of Readings in Political Economy and is a collection of twelve papers on "planning" and growth; four essays by economists, seven statements by company chairmen including Mr. H. G. Lazell (chairman, Beecham Group, Ltd.), and a concluding appraisal by a psychologist interested in the study of men in industry. The editor explains that the book has its origins in the discussion of economic growth in the last six years and in government attempts to accelerate growth. Several of the chairmen comment on the way the government's economic decisions have damaged investment plans and retarded growth. Mr. Lazell, dealing with company planning, points out that formal long-range planning is essential but the plan must be flexible. "Beecham would be in a very different position today if it had not been ready to change its plans at short notice and seize growth opportunities as they arose," he adds.

A Dictionary of Photographic Terms

ANDRE PAGE, A.I.L.P., A.R.P.S., F.R.S.A. *Technical Press, Ltd.*, 112 Westbourne Grove, London, W.2. 8½ x 5½ in. Pp. 163. Price 30s.

THE aim of this dictionary is stated by the author in the preface: "To give concise and factual definitions of as many of these new [photographic] terms [and phrases] as were in accepted use at the time the dictionary went to the printer . . . It is a dictionary I have tried to write and not an encyclopedia." The scope of the book is comprehensive, ranging from abbreviations through household to scientific terms and in some cases personalities. Despite his reservation, the author's "definitions" range from a mere synonym to a miniature essay. Quite often, in place of a definition, there appears a description of the use to which the object described is put, or even a method of making it (e.g. "buckle brush"). A table of abbreviations is given at the front of the book, but several others are scattered throughout the text. The book should, however, find a niche among the "photographers both amateur and professional, editors, publishers, advertising agents, commercial artists, illustrators and printers" for whom it is intended.

The Acridines

ADRIEN ALBERT, D.Sc., Ph.D., F.R.I.C. *Edward Arnold (Publishers), Ltd.*, 41 Maddox Street, London, W.1. 9 x 5¾ in. Pp. xii + 604. 168s. Second edition.

IN the fifteen years since the first edition of this book considerable expansion and revision have taken place. Seven chapters are given over to the general preparative methods for the acridines and one to miscellaneous preparations. A chapter added to the section concerns itself with the choice of a suitable preparative method and gives hints on manipulation and purification. Throughout the book, substances are numbered in conformity with the system adopted by the International Union of Pure and Applied Chemistry. A second section deals with physical properties and includes what is claimed to be the first tabulation that has been made of the ultra-violet spectra of the acridines. Section three deals with chemical properties and section four discusses the biological properties and uses of acridines, including their interactions with nucleic acids in relation to molecular biology, virus behaviour and structure, and the study of mutations and mitotic disorganisation. The carcinogenicity of some and the anticarcinogenicity of other members of the group are the subject of another chapter.



Mr. A. S. Smith



Mr. Harry Rigby



Miss Lilian Anderson



Mr. Michael Hastings



Mr. Maurice Limb



Mrs. A. Greenwood



Mr. J. Parkinson



Mr. John Holmes



Mrs. Joan Limb



Mr. Edward Aspin

A "Who's Who" for Conference Visitors

OFFICERS OF THE LOCAL CONFERENCE COMMITTEE

WHEN, in 1965, MR. ALBERT SMITH held office simultaneously as secretary and chairman of the Blackpool Branch of the Pharmaceutical Society and secretary of the Local Conference Committee he must surely have needed some of the Yorkshire dourness associated with Bronte country, between Haworth and the moors in which he was born. Each office can be so time-consuming that it is hardly surprising that he should say he has had no time for hobbies during recent years. Mr. Smith came into pharmacy by way of an apprenticeship in Keighley, and qualified after attending Bradford Technical College in 1937. After periods as an assistant in Leicester and Keighley he arrived in Blackpool in 1944 to manage Galloway's pharmacy in Church Street (a pharmacy that was closed when the area was redeveloped). He occupied that position for eleven years before commencing business on his own account in the North Shore area, and for the past five years he has been at Great Carlton, in the nearby Poulton-le-Fylde. In his secretarial duties he has been actively helped by Mrs. Smith.

Another who claims she has no time left for hobbies is MRS. JOAN M. ALDERSON, the Chairman at once of the Local Conference Committee and Blackpool Branch of the Pharmaceutical Society and an active member of the National Association of Women Pharmacists. Mrs. Alderson served an apprenticeship with Boots, Ltd., and qualified from the Manchester University in 1949, returning to Messrs. Boots until her marriage. For the past fourteen years she has been superintendent

of a pharmacy owned by her family. Mrs. Alderson has served as treasurer and past president of the local branch of the N.A.W.P., and even so has managed to bring up her three children.

*At right:
Mrs. J. M. Alderson*

In charge of finance is MR. HARRY RIGBY, who qualified in 1940 after attending Liverpool school of pharmacy. Mr. Rigby, who was chairman of the Blackpool Branch of the Pharmaceutical Society in 1964, is managing director of James Foster, Ltd., Poulton-le-Fylde, and a keen Rotarian. It is too early to say whether those activities are going to suffer now that Harry has taken up golf, but certainly he is going to have more time to play after September 16.

MISS LILIAN ANDERSON, the assistant local secretary, was the first lady to hold office as chairman of the Blackpool Branch. Miss Anderson qualified from Manchester University in 1939, and after ten years as a superintendent pharmacist decided to begin business on her own account. Miss Anderson is active in a number of spheres. She was at one time president of the Blackpool Chamber of Trade, and vice-chairman of the advisory committee of the College of the Fylde Department of Home Economics. She was also, of course, concerned

with the N.A.W.P. When asked about her hobbies she replied "Social work of all kinds" (and that includes an active interest in the Staffordshire Bull Terrier Club).

Also an assistant local secretary, MICHAEL HASTINGS is a senior pharmacist at Blackpool Victoria Hospital. He qualified in 1960 again after study at Bradford Institute, following training with Boots, Ltd. He is another golf enthusiast.

The deputy treasurer is MR. MAURICE LIMB, a native of Preston, who qualified from Manchester in 1939 and who, with his wife, has been running a business for the past twenty years. Mr. Limb was chairman of the Blackpool Branch in 1958 and is at present chairman of the local branch of the National Pharmaceutical Union.

Already well known to those who attend British Pharmaceutical Conferences MRS. ALICE GREENWOOD is in charge of Conference accommodation and reception. Mrs. Greenwood is in general practice in partnership with her husband, Mr. Alfred Greenwood, in King Street, Blackpool, and is also concerned in a business with her son William B. Greenwood in a recently-opened pharmacy in Church Street, Blackpool. She is a member of the British Pharmaceutical Conference Executive and a past chairman of the Blackpool branch of the Pharmaceutical Society. She is also a past president of the N.A.W.P. and is its treasurer, as well as being vice-chairman of the Blackpool Branch of the N.P.U.

MR. JOHN PARKINSON, chairman of the catering subcommittee, qualified in 1950. He has been in





ALL TOGETHER: The Blackpool committee of the British Pharmaceutical Conference photographed as a group. Seated: Mrs. M. W. J. Limb (chairman, ladies' committee), Mr. E. Aspin (vice-chairman), Mrs. J. M. Alderson (president), Mr. H. Rigby (treasurer), Mrs. A. S. Smith, Mr. A. S. Smith (secretary). Standing: Mr. J. Holmes (chief steward), Miss L. I. Anderson (assistant secretary), Mr. M. B. Hastings (assistant secretary), Mrs. A. Greenwood (accommodation chairman), Mr. M. W. J. Limb (assistant treasurer), Mr. J. R. Parkinson (catering chairman).

general practice in South Shore for the past five years, after twelve years as a manager elsewhere in Blackpool. A member of Blackpool Executive Council, vice-chairman of the Local Pharmaceutical Committee and a member of the pharmaceutical services and hours-of-service committees. Mr. Parkinson was chairman of the Blackpool Branch of the Society in 1961 and has also acted as secretary of the Branch and of the local N.P.U. Branch.

He still finds time to be an enthusiastic woodworker, and made and presented to the branch an inlaid gavel and a table plan surround. However, he steadfastly maintains that his hobbies are photography—still and cine.

Having grown up in the district MR. JOHN HOLMES (Conference chief steward) talks authoritatively on Blackpool but is equally knowledgeable on the three S's—scouting, salmon and skiing. A past president of the Black-

pool Branch of the Society and chairman of the local N.P.U. Branch. Mr. Holmes entered pharmacy via an apprenticeship in Blackpool and qualified from Manchester University in 1941. He has been in business on his own account for the past nineteen years in Holmfeld Road, Blackpool.

The Ladies' Committee chairman (MRS. JOAN LIMB) is another Blackpoolian. She qualified in 1939 and for many years was employed by Boots Ltd. in various parts of Lancashire before commencing business in partnership with her husband. In recent years she has also assisted in a part-time capacity in the pharmaceutical department of Blackpool Victoria Hospital. A member of the Soroptimists, she was chairman of the Blackpool Branch in 1960 and is a past president and secretary of the Blackpool Branch, N.A.W.P.

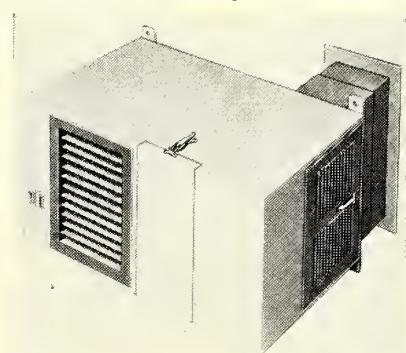
The vice-chairman of the local committee, MR. EDWARD ASPIN, qualified in 1931, has managed retail pharmacies in various parts of Lancashire, and is now engaged in wholesaling, being connected with a group of companies with headquarters in Blackburn that operate both wholesale and retail pharmacies. In that capacity he has a special interest in transport, and was therefore a "natural" chairman for the Conference transport committee. Mr. Aspin is chairman-elect of the Blackpool Branch of the Society.

MACHINERY AND PLANT

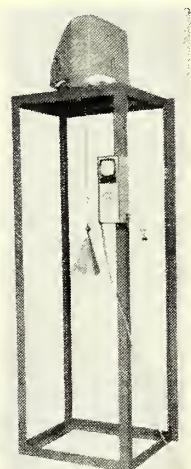
Guards for Mixing Machines.—Safe, efficient, and hygienic guarding of mixing machines is secured by use of the Safelock guard of Safe Production Systems, Ltd., Powke Lane, Old Hill, Staffs. The Safelock has a fibreglass cover that can be opened to allow complete access to the mixer, but which is interlocked so that the mixer does not operate when the guard is open (current to the operating motor being automatically switched off and the mixer stops). Access to the mixing pan is obtained during mixing by way of two small tubular chutes at the

front of the guard, which allow ingredients to be added to the mixture at any time without opening the guard, while preventing the entry of hands or fingers. The Safelock is strong and light, and its smooth internal surface makes cleaning a rapid, easy operation. Installation is simple.

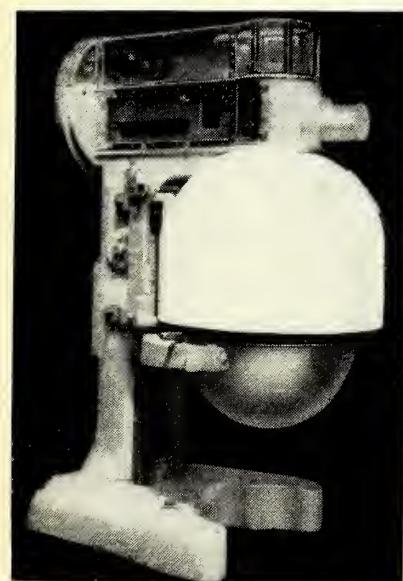
Clean-air Intake Units.—The Vacuair Engineering Co., Ltd., Ramsay Road, London, W.3, have designed a range of packaged air-cleaning units suitable



for environmental areas. The units are easily and inexpensively installed. Filter efficiency may be varied to suit each application, and secondary filtration may be incorporated (for the removal of fumes, odours, bacteria, etc.). Heating and/or cooling on full thermostatic control may also be incorporated as required. A double-inlet-type centrifugal fan is used as power source, ensuring silence in operation. Amount of air handled varies between 200 and 4,000 cu. ft. per min.



Liquid-or-solid Level Indicator.—With support from the National Research Development Corporation a level indicator has been developed that is as accurate and reliable with solids as it is with liquids. Called Bin-Dex, it has been designed by the Thirty Ninety Eight Co., Ltd., Gatwick House, Povey Cross Road, Horley, Surrey, for use in large hoppers and storage containers. The device is, in effect, an automatic plumb-line. A balanced pulley, from which a weight is suspended by a cable, senses whether the weight is embedded in, just resting on, or suspended above the material in the hopper, and the cable is reeled in or out until the resting-on position is achieved. The length of cable is determined automatically by an accurate potentiometric method and may be indicated at any remote control position. The instrument is versatile. It may be used as a continuous level indicator, a high- or low-level indicator, an automatic controller of materials flowing in or out of a bin, a level controller or it can indicate and control the flow of materials at intermediate levels. Bin-Dex can be installed for £150.

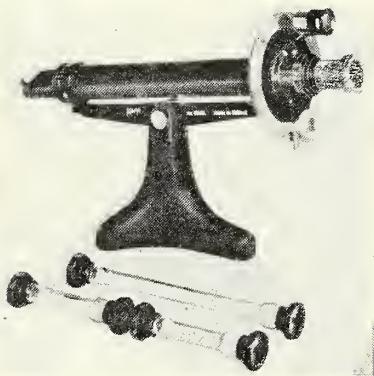


INSTRUMENTS AND APPARATUS

Agency for Swiss Instruments Series.

—Thomas Industrial Automation, Ltd., Deansgate Lane, Altrincham, Cheshire, have been granted the sole British agency for the scientific and industrial pH meters recorders and controllers manufactured by Polymetron, Ltd., Zurich, Switzerland. The main Polymetron products are precision pH meters. Type 55 is a transistorised battery-operated device well suited for field use. It measures from pH2 to pH12. For use with the instrument there are available a selection of probes for varied applications. Prices are claimed extremely competitive. The Thomas organisation has also introduced new transistorised control schemes and alarm systems for automated chemical plants. The alarm systems may be actuated by pressure or temperature or proximity switches etc., or by voltage changes. A wide range of combinations are possible including test and cancellation systems with automatic and manual resetting. If required, provision may be made for the system to have a "memory" to record which faults occurred. All the Thomas solid state alarm and control schemes can be made to work on a variety of supply voltages, and in the event of a mains failure standby batteries maybe employed.

Full-circle Polarimeter.—A polarimeter for use in factory and research laboratories concerned with the determination of sugar and concentrations of other optically active substances has been produced by Cenco Instrumenten Mij. N.V. Ranijnenberg 40, Breda, Holland. The Cenco-Kern full-circle polarimeter provides strong contrasts for precise balancing of all measurements. A built-in yellow filter whose spectral range corresponds to that of sodium light permits the operator to work with daylight or with light from a frosted white bulb for making small angular measurements. De-aeration bulbs in the tubes greatly reduce analysis time by eliminating distortion from the air bubbles which otherwise collect in front of the lamp. Three



Full-circle polarimeter with the three tubes supplied.

tubes are supplied: a 200-mm. tube used with transparent solutions; a 100-mm. tube for dense solutions; and a 95.04-mm. tube for measuring glucose and reading results directly in gm. The

full 350° measuring range allows quick and easy setting of angles. Readings correct to 0.05° can be obtained through precision settings with the micrometer screw.

A New Range of Magnetic Stirrers.

—Claimed unique, an inexpensive dual magnetic stirrer and hotplate that can be used together or separately has been introduced by Techne (Cambridge), Ltd., Duxford, Cambridge. The model 500 magnetic stirrer is a compact rugged unit capable of mixing up to 2 litres of water and 400 mls of 100 per cent. glycerol at 20°C. The



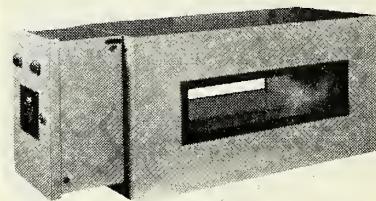
Stirrer and hotplate in use.

aluminium case houses a powerful motor and alnico magnet, and the stirrer employs a positive rheostat for control from fast to extremely slow stirring. It can be operated continuously for hours without deviation in speed and with minimal heat build-up. For extra convenience the stirrer may be attached to a support. It is also available in kit form. The company's model 502 hotplate is capable of heating up to 500°F. in twelve minutes. It is constructed of aluminium with four spring clips allowing it to be easily snapped on to the top of the stirrer for a combination hotplate and magnetic stirrer.

Molecular Weight Determinations.—Perkin-Elmer, Ltd., Beaconsfield, Bucks, draw attention to their model 115 molecular weight apparatus, a thermistor osmometer providing accurate measurement by the vapour-pressure equilibrium technique. The instrument determines molecular weights from 60 to 23,000, and allows the use of more dilute solutions, eliminating problems inherent in the use of higher concentrations. The model may be used for the determining of molecular weights of a wide variety of materials, including polyesters, silicones, alkyd resins, terpenes, phenolics, organometallics, proteins, fatty acids and esters. A special feature of the instrument is that

the sensitivity remains constant throughout its range and is independent of the molecular weight to be determined. In use, pure solvent is placed on both thermistors and the bridge is balanced. The pure solvent on one thermistor is then replaced by the solution under test. A temperature change occurs, proportional to the number of solute molecules present, unbalancing the bridge, which is rebalanced by means of a calibration control. The dial reading is converted into molecular concentration by reference to a predetermined calibration graph, which is prepared by using solutions of a substance of known molecular weight in the particular solvent. From the known strength of the solution under test the molecular weight is readily calculated.

Metal Detector.—The new Loma industrial metal detector is understood to be the result of extensive development work undertaken during the past two years by Dunford & Elliott Process Engineering, Ltd., 145 Maple Road, Surbiton, Surrey, aimed at overcoming problems in detecting metal during processing of foodstuffs with a high-moisture content. The detector has a fully transistorised control unit. The detecting head is of welded aluminium water-tight construction with a smooth stove enamel finish. The product is passed through the head aperture on a metal-free conveyor belt. Any metallic object in the aperture causes electrical imbalance and a signal to the control



The detecting head of the Loma industrial metal detector.

unit by an interconnecting screened cable which can either stop the conveyor or energise an alarm or reject system. High conveyor belt speeds are possible. The electronic equipment of the control unit is housed in a stove enamelled box with lockable doors. The electronic components are mounted on a printed circuit board which is of the plug-in type so that if a fault should develop, the equipment can be kept in operation by merely plugging in a spare board. The Loma detector is capable of detecting ferrous and non-ferrous metals in bottles, bags and boxes of plastic, glass, cardboard and cloth. It has possible applications in the manufacture of pharmaceuticals, plastics, soap and surgical dressings. The manufacturers design the aperture and the overall dimensions of the equipment to suit each individual application in order to ensure a minimum aperture size with maximum sensitivity. They also supply the conveyor and provide appropriate reject and marking devices, if required.

IN THE COMPETITIVE WORLD OF ANALGESIC SALES



Your best solution!

Summer's over—and autumn means the start of another season of heavier analgesic buying by your customers.

Strong advertising support for

ACTRON* **Retailers!** Well over $6\frac{1}{2}$ million women will be exposed, month after month, to the hard-selling ACTRON message in major women's magazines like Woman, Woman's Own, Woman's Realm, My Weekly and Nova.

Display—and SELL! ACTRON comes to you in eye-catching, impactful display outers. Display them well—they can catch and hold your customers' attention, and help boost sales. Miles Laboratories Ltd are offering great display incentives, too.

See your Miles representative for more details.

ACTRON dissolves fully—kills pain fast

ACTRON—the analgesic with a difference. Its tablets dissolve fully in water to ensure palatability, good gastric tolerance and a rapid absorption of active ingredients. With headache sufferers, ACTRON scores very highly for speed of action and completeness of relief—more reasons why ACTRON can mean bigger and better analgesic sales for you!

ACTRON-
FOR A REAL BOOST TO
YOUR ANALGESIC SALES!

* Trade Mark

THIS'LL SPARK THINGS OFF!

Independent clinical trials prove that Gibbs Fluoride toothpaste significantly reduces tooth decay...

... something Gibbs have believed for years! And now an independent trial supported by Gibbs has provided positive evidence of Gibbs Fluoride's effectiveness in preventing tooth decay.

Gibbs Fluoride clinical trial:*

RESEARCH SUMMARY

Period: 3 years	Brushing Supervision: None
Panel: 657 schoolchildren	Measurement Technique:
Area: Kent (a low fluoride area)	Annual Posterior Bite-Wing X-rays
RESULT: Significant reduction in carious surfaces (28.5% in proximal cavities of posterior teeth)	

*Brit. Dent. J. 123, 9-16, July 1967.

The children were split into two test groups, one using Gibbs Fluoride, the other a non-fluoride toothpaste. The results after three years were most encouraging. They clearly indicated that regular brushing with a fluoride toothpaste can lead to a marked reduction in decay, the equivalent of more than one cavity per child over the period of the trial, and this must now be considered socially significant. Regular use of Gibbs Fluoride toothpaste in this country would mean several million fewer cavities every year. One more good reason to recommend Gibbs Fluoride - already your customers' favourite fluoride brand.



STAND BY FOR ROCKETING SALES!

**STOCK UP WITH GIBBS—
BRITAIN'S BEST-SELLING
FLUORIDE TOOTHPASTE**

TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are augmented before wholesale dealers receive the goods into stock.

LONDON, SEPTEMBER 6: The markets show no signs of improvement, buyers being content to purchase only on a hand-to-mouth basis. Several CRUDE DRUGS however turned firmer during the week despite little inquiry for them. They included PERU BALSAM (up sixpence per lb.) and Indian VALERIAN and QUILLAIA (both up 5s. per cwt.). A new allocation of PIMENTO has been made by Jamaica the prices of which are given below. Among the commodities of Chinese origin which holders marked up again were CAMPHOR POWDER (up sixpence per lb.) and MENTHOL also up sixpence. Any afloat parcels of the latter can command a fair premium because of the distant shipping dates now being quoted which means that supplies can not be expected to be landed until well into the new year. Meanwhile Brazilian menthol prices continued to ease. Also lower per lb. were Costa Rican and Colombian IPECACUANHA (by one shilling and sixpence respectively); Alleppy Green CARDAMOMS (threepence, c.i.f.) and Portuguese ERGOT (sixpence). MERCURY has risen £9 per 72-lb. flask.

CITRONELLA from China was dearer by twopence per lb. and PEPPERMINT by 1s. 6d. but Brazilian peppermint was reduced by threepence. Shipment rates for PATCHOULI ranged between 21s. and 23s. per lb., c.i.f. against 22s. to 23s. recently.

The scarcity of NAPHTHALENE has now been officially recognised. A Statutory Instrument (1967 No. 1254 issued by the Customs and Excise which came into force on September 7 will allow supplies to come into the country without import duty up to November 2.

Pharmaceutical Chemicals

CALAMINE.—50-kilo lots, 4s. 3½d. per kilo, 1,000 kilo, 4s. 2½d. kilo.

CHLORAL HYDRATE.—1-cwt. 4s. 7d. per lb.

CHLOROFORM.—35-litre lots in Winchesters, B.P., 11s. 5½d. per litre; in drums, 10s. 7d.; 175-litre lots, 11s. and 10s. 1½d.

CORTISONE.—1-kilo lots, ACETATE, 4s. 6d.; HYDROCORTISONE ACETATE OR ALCOHOL, 4s. 6d. per gm.

CREOSOTE.—B.P.C., 159s. ex beechwood, 100 kilos, 16s. 6d. per kilo; 500 kilos, 16s.

CREOSOLE.—B.P. quality, 7s. 9d. per gall. in 5-gall. lots.

DIENOESTROL.—B.P. is 1s. 3d. per gm. for 5-kilo lots.

DIGOXIN.—100-gm. lots are 44s. per gm. DITHRANOL.—B.P. offered at 9s. 6d. per oz. for 7-lb. lots.

DOPIMPHEN BROMIDE.—B.P.C. grade, 32s. per lb. in 1-cwt. lots.

GUAIACOL.—LIQUID B.P.C., 16s. per lb. for 1-cwt. lots; CRYSTALS, 15s. 9d.; CARBONATE, 18s.

MERCURY SALTS.—Per kilo for under 50-kilo lots—AMMONIATED powder, 133s.; PERCHLORIDE, 114s.; SUBCHLORIDE, 133s.; OXIDES, yellow, 138s. and red, 143s. IODIDE (25-kilo lots), 99s.

METHADONE HYDROCHLORIDE.—Subject to D.D.A. Regulations, 2s. 6d. per gm. for 100-gm. lots.

NARCOTINE.—ALKALOID and HYDROCHLORIDE, 399s. 6d. kilo.

OPIATES.—Home trade prices (per kilo). Subject to D.D.A. Regulations.

		1 kilo and over	Under 1 kilo
CODEINE		s. d.	s. d.
ALKALOID ..	..	1,903 0	1,939 0
HYDROCHLORIDE ..	..	1,665 0	1,701 0
PHOSPHATE ..	..	1,445 0	1,480 0
SULPHATE ..	..	1,665 0	1,701 0
MORPHINE			
ACETATE ..	..	1,762 0	1,798 0
ALKALOID ..	..	2,159 0	2,194 0
HYDROCHLORIDE ..	..	1,762 0	1,798 0
SULPHATE ..	..	1,762 0	1,798 0
TARTRATE ..	..	2,115 0	2,150 0
ETHYL MORPHINE			
ALKALOID ..	..	2,229 0	2,265 0
HYDROCHLORIDE ..	..	1,903 0	1,939 0
DIAMORPHINE			
ALKALOID ..	..	2,106 0	2,141 0
HYDROCHLORIDE ..	..	1,930 0	1,965 0

PETHIDINE HYDROCHLORIDE.—Subject to D.D.A. Regulations, 5-kilo lots, 300s. per kilo.

POLCODINE.—8 oz. lots, 91s. 6d. per oz. (3,227s. per kilo).

STRYCHNINE.—100-oz. lots ALKALOID, 7s. per oz. SULPHATE and HYDROCHLORIDE, 6s.

Crude Drugs

ASAFOETIDA.—Persian quoted at £19 cwt.

BALSAMS.—(per lb.): CANADA: 35s. 6d., spot (33s., c.i.f.); COPAIBA: B.P.C. 11s. (6s. 6d., c.i.f.); PERU: 12s. 9d. (11s. 9d., c.i.f.); TOLU: B.P., 12s. 6d.

BUCHU.—LEAVES, 13s. 6d. per lb. nominal; supplies at origin cleared.

CALUMBA.—Mozambique root, 125s. per cwt. spot.

CAMPHOR.—B.P. powder for shipment, 5s. per lb., c.i.f.; spot, 5s. 10d.

CARDAMOMS.—(per lb.): Alleppy greens, 18s. (15s., c.i.f.); Prime seed, 32s. 6d. (28s. 3d., c.i.f.).

CINNAMON.—BARK, Seychelles, 150s. cwt. (117s. 6d., c.i.f.); Ceylon QUILLS, shipment five 0's, 10s. 10d. lb.; three 0's, 10s. 2d.; seconds, 8s.; quillings, 5s. 2½d., all c.i.f.

ERGOT.—Portuguese—Spanish, 8s. 9d. lb. (8s. 3d. c.i.f.); Continental, 8s. 6d. (8s. 3d., c.i.f.); North American, 8s. 9d. (8s. 3d., c.i.f.).

GINGER.—(per cwt.): Nigerian split, 105s. (100s., c.i.f.) peeled, 160s. (145s., c.i.f.); African, 155s. Jamaican No. 3, 250s. (245s., c.i.f.); Cochin, 200s.

GUM ACACIA.—Kordofan cleaned sorts, 250s. per cwt.; spot; shipment, 216s., c.i.f.

IPECACUANHA.—Matto Grosso for shipment, 39-40s. per lb., c.i.f., spot, 48s. 6d. Costa Rican, 56s., spot (53s. 6d., c.i.f.); Colombian, 46s. (43s., c.i.f.).

LANOLIN.—ANHYDROUS, B.P. is from 2s. 2½d. to 2s. 6d. per lb. in 1-ton lots delivered free drums. Commercial grades from 1s. 4½d. and cosmetic, 2s. 8d.

LEMON PEEL.—Spot, partially extracted, 1s. 3d. lb.; unextracted for shipment, 2s. 6d.

LIME FLOWERS.—Spot, 2s. 2d. per lb.

LIQUORICE.—ROOT, Russian, 67s. 6d. per cwt.; Anatolian, 57s. 6d.; Anatolian decorticated, 170s. BLOCK JUICE: Anatolian, 210s. to 220s. per cwt.; Italian, 193s.; sticks from 244s. to 460s. per cwt.

LYCOPODIUM.—Scarce at 13s. 6d. lb.

MENTHOL.—(Per lb.): Chinese, October-November shipment, 29s. 9d., c.i.f.; spot, 32s. 6d. in bond. Brazilian for shipment, 26s. 3d., c.i.f.; spot, 28s. in bond.

MERCURY.—Spot, £180 per flask of 76 lb., ex warehouse.

PEPPER.—White Sarawak, spot, 2s. 7½d. (2s. 6d., c.i.f.); Black Malabar, 285s. per cwt., c.i.f. Brazilian black No. 1, 2s. 9d. lb.

PIMENTO.—New allocation, up to November 30, sellers option, 700s. cwt., f.o.b. Jamaica; 740s., c.i.f. delivered weights.

QUILLAIA.—200s. cwt. (200s., c.i.f. nominal).

SEEDS.—(Per cwt.)—ANISE.—Cyprian, 232s. 6d., c.i.f. CARAWAY.—Dutch, 157s. 6d., spot. CELERY.—Indian, 167s. 6d., spot; shipment, 155s., c.i.f. CORIANDER.—Moroccan, 105s. Rumanian whole, 107s. 6d., both duty paid. Shipment Moroccan, 90s., c.i.f. Rumanian whole, 79s., c.i.f. CUMIN.—Cyprian, 200s.; Iranian, 220s., duty paid; shipment Iranian, 155s., c.i.f. Syrian afloat, 157s. 6d., c.i.f. DILL.—Indian, 120s., spot; shipment, 97s., c.i.f. FENNEL.—Chinese, 130s., duty paid; Indian, 145s. FENUGREEK.—Moroccan, 82s. 6d. duty paid; shipment, 65s., c.i.f. MUSTARD.—English, 65s. to 97s. 6d. according to quality.

STYRAX.—Spot, 22s. lb. (21s. 6d., c.i.f.).

TURMERIC.—Madras finger spot, 155s. per cwt.; shipment, 135s., c.i.f.

VALERIAN ROOT.—Indian, 190s. cwt. (180s., c.i.f.); Continental, 425s. (410s., c.i.f.).

WAXES.—(Per cwt.)—BEES.—Dar-es-Salaam, 795s., c.i.f. CANDELILLA, spot, 465s.; forward, 460s., nominal. CARNAUBA, fatty grey, spot, 290s. (270s., c.i.f.), prime yellow spot, 410s. (390s., c.i.f.).

Essential and Expressed Oils

BAY.—Spot, 43s. to 44s. per lb.

BUCHU.—Spot, from 650s. per lb. for English distilled.

CADE.—Spanish from 2s. per lb. for drum lots.

CAJUPUT.—Spot from 10s. 6d. to 14s. per lb.

CALAMUS.—Spot from 55s. to 60s. per lb.

CAMPHOR, WHITE.—Chinese for shipment, 4s. 6d., c.i.f. per kilo; spot, 2s. 6d. lb., duty paid.

CANANGA.—Spot from 32s. 6d. per lb.

CASTOR.—Scarce. Home produced B.P. oil, for November-December delivery, £174 per ton naked ex mill (2-ton lots).

CITRONELLA.—Ceylon, spot, 4s. 2d. per lb.; shipment, 4s. 1d., c.i.f.; Formosan, 4s. 8d. in bond and 5s., c.i.f. nominal; Chinese, 4s. 3d. in bond; shipment, 3s. 10½d.

FENNEL.—Spanish sweet, 16s. per lb., duty paid.

GERANIUM.—Bourbon, 85s. to 87s. 6d. lb. spot.

GINGER.—Imported (per lb.); Indian, 165s.; Chinese, 75s.; Jamaican, 132s. 6d.

LAVENDER.—French from 40s. to 60s. per lb. as to quality.

LAVENDER SPIKE.—Spanish from 23s. 6d. to 28s. per lb. on the spot.

LEMON.—Sicilian, winter crop, 45s. to 47s.; spring, 40s. to 42s.

LEMONGRASS.—Spot, 25s. 6d. per kilo shipment, 23s. 3d., c.i.f.

PATCHOULI.—Spot, 25s. to 27s. 6d. per lb., duty paid; shipment, 21s. to 23s., c.i.f.

PEPPERMINT.—(Per lb.): *Arvensis*: Chinese for shipment, 9s. 3d., c.i.f., spot, 12s. 6d. Brazilian for shipment, 7s. 9d.; c.i.f.; spot, 8s.

SANDALWOOD.—Mysore, spot, 118s. lb. nominal. East Indian, 265s. per kilo.

SPEARMINT.—American oil on the spot, 74s. to 80s. per lb. Chinese, spot, 62s. 6d. per kilo; shipment, 55s., c.i.f.

TANGERINE.—Sicilian new crop offers at 29s. to 33s. per lb.

THYME.—Red, 27s. 6d. per lb., for 45-50 per cent., duty paid.

PATENTS

COMPLETE SPECIFICATIONS ACCEPTED
From the "Official Journal (Patents),"
August 31, 1967

- Anilides and hydrazides. Benger Laboratories, Ltd. 1,086,326.
- Herbicides. Rohm & Haas Co. 1,086,339.
- Neutralisation composition and process for preparing the same. Rexall Drug and Chemical Co. 1,086,358.
- Mixer for solid, liquid or pasty products. Soc. Fives Lille-Cail. 1,086,359.
- Method of manufacturing lipsticks and case for carrying out same. Ejectoret, S.A. 1,086,365.
- Aminocoumarin derivatives. J. R. Geigy, A.G. 1,086,398.
- α -Substituted 2-pyridinethioacetamides and a process for their preparation. G. D. Searle & Co. 1,086,399.
- 4-Chloro-3-sulphonaryl-benzene sulphonamides and their production. Farbenfabriken Bayer, A.G. 1,086,426.
- Anaëdoxines, anilides and their acid addition salts, and preparation thereof. Sterling Drug, Inc. 1,086,441.
- 1-Ethylene-17 α -alkyl - Δ^2 -5 α -androsten-17 β -ols and their 17-esters and a process for their manufacture. Schering, A.G. 1,086,461.
- Steroids of the pregnane series and processes for their manufacture. Schering, A.G. 1,086,462.
- Anti-protein to human chorionic gonadotrophin. Chas. Pfizer & Co., Inc. 1,086,478.
- Penicillins. Farbenfabriken Bayer, A.G. 1,086,494.
- Cyclohexylsulphamic acid salt and compositions thereof. Aspro-Nicholas, Ltd. 1,086,500.
- N-substituted chloro-acetamides and their use as herbicides. Monsanto Co. 1,086,507.
- Phenazines and biocidal compositions containing same. Shell Internationale Research Maatschappij, N.V. 1,086,522.
- Amidoxime derivatives. Sterling Drug, Inc. 1,086,593.
- Hydrazides. Benger Laboratories, Ltd. 1,086,636.
- Inides. Benger Laboratories, Ltd. 1,086,637.
- Packets or cartons for tablets. G. D. Searle & Co. 1,086,653.
- Chrysanthemic acid esters, processes for making them, and insecticidal compositions including them. Sumitomo Chemical Co., Ltd. 1,086,654.
- Mastitis detection unit. E. J. Edden. 1,086,665.
- cis-Indolomorphinans. Warner-Lambert Pharmaceutical Co. 1,086,676.
- Pharmaceutically active extracts of bone marrow. Aiklaim Chemists, Ltd. 1,086,689.
- Antibiotic. Rhône-Poulenc, S.A. 1,086,780.
- Diagnostic preparation. Warner-Lambert Pharmaceutical Co. 1,086,791.
- Catheter. Edwards Laboratories, Inc. 1,086,821-22.
- Salicyclic acid derivatives. P. Beiersdorf & Co., A.G. 1,086,838.
- Container. Rexall Drug & Chemical Co. 1,086,892.
- Herbicidal compositions. Imperial Chemical Industries, Ltd. 1,086,937.
- Antifibrinolytically active isomer of 4-amino-methyl-cyclohexane carboxylic acid. A.B. Kabi. 1,086,952.
- 6(Substituted hydroxyamidino) penicillanic acids. Bristol Myers Co. 1,086,958.
- Surgical ligating device. Amp, Inc. 1,086,979.
- Stabilisation of phosphoric acid esters. Warner-Lambert Pharmaceutical Co. 1,087,003.
- Coumaranyl-carbamic acid esters and their use as insecticidal and acaricidal agents. Farbenfabriken Bayer, A.G. 1,087,006.
- Compounds for treating coccidiosis. American Cyanamid Co. 1,087,015.
- Crysanthetic acid esters, methods of making them and insecticidal compositions including them. Sumitomo Chemical Co., Ltd. 1,087,016.
- Azido substituted organophosphorous compounds, processes for preparing them, and pesticidal compositions containing the same. Australia Commonwealth Scientific and Industrial Research Organisation and Imperial

Chemical Industries of Australia and New Zealand, Ltd. 1,087,066.

Methylenedioxypyphenyl compounds and pesticidal compositions containing them. Shell Internationale Research Maatschappij, N.V. 1,087,017.

Peridine derivatives. Allen & Hanburys, Ltd. 1,087,174.

British patent specifications relating to the above will be obtainable (price 4s. 6d. each) from the Patent Office, 23 Southampton Buildings, Chancery Lane, London, W.C.2, from October 11, 1967.

TRADE MARKS

APPLICATIONS ADVERTISED
BEFORE REGISTRATION

"Trade Marks Journal," August 23, No. 4643

AVOCET, 901,735. ORIOLE, 901,737, by Premier Soap Co., Ltd., Stoneterry, Hull.

For medicated toilet soaps (3)

NUDERM, B901,849, by Boots Pure Drug Co., Ltd., Nottingham.

For soaps, perfumes, cosmetics and non-medicated toilet preparations, hair lotions, hair cream, hair pomades, dentifrices and depilatory preparations (3)

Device, 904,905, by Mallfair, Ltd., Liverpool, 3.

For pharmaceutical, veterinary and sanitary substances; and disinfectants (5)

Device, 894,583, by Godfrey Black Enterprises, Ltd., London, W.C.2.

For pharmaceutical preparations of progestational and estrogenic hormones for use in the treatment of dysmenorrhoea, amenorrhoea, ovulation and gynaecological diseases, and for the diagnosis of pregnancy, all being for human use (5)

WEST-ALIN, 896,864, by Ormonoterapia Richter, S.p.A., Milan, Italy.

For medicated preparations for the scalp and the skin; medicated bath preparations, liquid eye washes; medicated lotions; medicated washes for human use; medicated paper; medicated pads for application to the eyes; breath freshening preparations; medicated oils; and deodorants (5)

Device, 898,084, by Mary Quant Cosmetics Ltd., Surbiton, Surrey

For disinfectants; medicated deodorants; and medicated preparations for the skin and scalp (5)

BABORISAN, 899,124, by Dr. Bahor & Co., K.G., Bad Aachen, 51, Germany.

For medical and surgical plasters and material prepared for bandaging, all incorporating tulle (5)

STERITULLE, 903,121, by Fisons Pharmaceuticals, Ltd., Loughborough, Leics,

For pharmaceutical preparations and substances (5)

FORTO-PAN, 903,620, by Sterling-Winthrop Group, Ltd., Surbiton, Surrey.

For pharmaceutical preparations and substances, all consisting of, containing or derived from lactic acid (5)

SERVICIN, 904,946, by Biofarma, S.A., Neuilly-on-Seine, France.

For chemical products consisting of or containing phosphates and having bactericidal or disinfectant properties for use in the treatment of effluents (5)

NUTRAPHOS, 905,294, by Scottish Agricultural Industries, Ltd., Edinburgh, 12.

For preparations and substances for veterinary use, all containing iron (5)

IROPAR, 907,966, by A. B. Astra, Södertälje, Sweden.

For razors, safety razors and razor blades; cutlery being tableware; hand tools for cutting (8)

Device with word EVERSHARP, 893,822, by August Belz, St. Gall, Switzerland.

For photographic apparatus, lenses and electronic photographic flash apparatus (9)

AUTO/STROBONAR, STROBONAR, 907, 081-82, by Honeywell, Inc., Minneapolis, Minnesota, 55408, U.S.A.

For razor blades and razor blade dispensers (containers) (8)

ELEKTRA, 899,233, by Wilkinson Sword, Ltd., London, S.W.1.

For medical and veterinary instruments (10)

DOWA, 876,208, by Dow Chemical Co., Midland, Michigan, U.S.A.

"Trade Marks Journal," August 31, No. 4644.

For chemical products, sensitized plates, sensitized films, sensitized papers and adhesives, all being goods for use in colour photography (1)

ORWOCHROM, 886,093, by Veb Filmfabrik Wolfen, Wolfen, Bitterfeld, Germany.

For non-medicated toilet preparations for men (3)

Device with word SUPERMAN, 895,107, by National Periodical Publication, Inc., New York, U.S.A.

For perfumes, eau-de-Colognes and brilliancines, all in liquid or solid form; non-medicated toilet powders; and non-medicated toilet preparations for application to the skin by friction, but not including bleaching preparations or scouring preparations (3)

Device with words PARADISO PERDUTO PAGLIERI, B887,770, by Paglieri, S.p.A., Alessandria, Italy.

For setting lotions for use in hairdressing (3)

TINOSET, 896,039, by Cortina Chemicals, Ltd., London, S.E.18.

For cotton wool; and mixtures of cotton wool and rayon in the form of rolls; all for cosmetic purposes (3)

TENDER TOUCH, B898,013, by Johnson & Johnson, New Brunswick, New Jersey, U.S.A.

For non-medicated toilet preparations (3)

MAKEOFF, 900,359, by Hadleigh-Crowther, Ltd., Reading, Berks.

For perfumes, non-medicated toilet preparations, cosmetic preparations, dentifrices, depilatory preparations, toilet articles, sachets for use in waving the hair, shampoos, toilet soaps and essential oils (3)

GLIMMERICK, 900,698, by Yardley & Co., Ltd., London, W.1.

For shampoos, soaps and cleaning powders, none being for export to or sale in Puerto Rico (3)

SHELLGARD, 901,329, by Shell International Petroleum Co., Ltd., London, S.E.1.

For hair conditioning preparations and hair glossing preparations, all for use by spraying (3)

SPRAYOMINK, 901,423, by International Laboratories, Ltd., Chessington, Surrey.

For non-medicated toilet preparations and cosmetics, all for use in sun-tanning (3)

GO 'N' SUN, B902,660, by Beauty Counselors of London, Ltd., Newhaven, Sussex.

For perfumes (3)

Device with letter D and word DON, B889,894, by Don and Partners, Bourton-on-the-Water, Cheltenham, Glos.

For eau-de-Cologne, hair lotions, cosmetics perfumes, non-medicated toilet preparations and non-medicated preparations for the hair (3)

RAFFIA, 903,068, by Huntley, Ltd., St. Thomas, Virgin Islands.

For non-medicated toilet preparations and cosmetic preparations (3)

LOCKVOX, 904,347, by Hans Erik Vejborg, Copenhagen, K, Denmark.

For glycerine soap (3)

LERRYL, 905,271, by Caurnie Soap Co., Lenzie and Kirkintilloch, Scotland.

For non-medicated toilet preparations; cosmetic preparations, soaps, perfumes, dentifrices, preparations for cleaning artificial teeth, preparations for the hair and toilet articles (3)

ITALIAN MARBLE, 905,556, by Michael Denham, Ltd., Brentford, Middlesex.

For pharmaceutical products (5)

DEXAMPHENYDRINE, 900,640, by Bailly, Ltd., Alperton, Wembley, Middlesex.

For medical and surgical plasters, wound dressings and material prepared for bandaging, all used as self-adhesive clips for closing wounds (5)

LEUKOCLIP, B902,167, by P. Beiersdorf & Co., A.G., Hamburg, 20, Germany.

For medicated preparations for the treatment of the scalp and skin; deodorants; medicated paper tissues; and bandages (5)

GALAXIE, 902,732, by Gala of London, Ltd., Surbiton, Surrey.

For pharmaceutical preparations and substances; invalids' foods (5)

Device, 902,806, by Baxter Laboratories, Inc., Morton Grove, Illinois, U.S.A.

For pharmaceutical, veterinary and sanitary substances, all adapted to be dispensed in aerosol or spray form (5)

STERISPRAY, 903,120, by Fisons Pharmaceuticals, Ltd., Loughborough, Leics.

For rose hip syrup for pharmaceutical purposes (5)

NATROSE, B903,551, by Optrex, Ltd., Perivale, Greenford, Middlesex.

For pharmaceutical preparations and substances (5)

AUGMENTIN, B904,371, by Horlicks Pharmaceuticals, Ltd., Winkfield, Windsor, Berks.

For surgical gauze opaque to X-rays (5)

DETTEX, B904,930, by Alexander Carus & Sons, Ltd., Darwen, Lancs.

For deodorant preparations for the treatment of the feet (5)

"ON YOUR TOES", B904,933, by Britanol, Ltd., Horsforth, Leeds, Yorks.

For pharmaceutical preparations and substances for human and veterinary use (5)

ORIMETRENE, 905,020, by CIBA, Ltd., Basle, Switzerland.

For disinfectants and sanitary substances (5)

SUMASEPT, 905,174, by Joseph Crosfield & Sons, Ltd., Warrington, Lancs.

For medical and pharmaceutical preparations for the treatment of bronchial infections (5)

DEMEBRONC, 905,378, by American Cyanamid Co., Wayne, New Jersey, U.S.A.

For chemical substances prepared for use in medicine and pharmacy (5)

MIGRAVAN, 905,482, by Nicholas Proprietary, Ltd., Chadstone, S.E.10, Victoria, Australia.

For disinfectants and sterilising compounds (5)

DIPODINE, 905,687, by Hull Chemicals, Ltd., Kingston-on-Hull.

For chemical products for hygiene; pharmaceutical and veterinary preparations (5)

STREINBI, 905,891, by Societa Farmaceutici Italia, Milan, Italy.

For photographic and cinematographic apparatus and instruments and parts and fittings (9)

ACCURETTE, B902,269, by Photopia, Ltd., Newcastle, Staffs.

For pharmaceutical, veterinary and sanitary preparations and substances; disinfectants; infants', invalids', and dietetic foods; preparations for killing weeds and destroying vermin (5)

CYTAPLET, 884,968, by Glaxo Laboratories, Ltd., Greenford, Middlesex.

For cotton wool (pharmaceutical) for nursery and baby use (5)

Device with letter B and word BABYTOWN, B887,842, by Babytown, Ltd., Darwen, Lancs.

For bandages being medicated limb bandages (5)

BANDOKAST, B889,837, by Rudolph Gordon Lund, Harrogate.

For pharmaceutical preparations (5)

BARCANE, 897,637, by UCB (Union Chimique-Chimische Bedrijven S.A.), Saint-Gilles-les-Bruxelles, Belgium.

For pharmaceutical and veterinary preparations and substances (5)

CYLTER, 899,295, by Mundipharma, A.G., Rheinfelden, Switzerland.

For pharmaceutical preparations and substances for human use in slimming (5)

SLIMENA SLIMMEN, 899,386, by Medicam Laboratories, Ltd., Aldershot, Hants.

For preparations for destroying or combating insects, fungus conditions and other causes of scratching by animals (5)

SCRATCHEX, B901,933, by Westchester Veterinary Products, Inc., White Plains, New York, 10601, U.S.A.

For veterinary preparations and sanitary substances; disinfectants, insecticides and pest destroying preparations; none being for export

to or sale in Puerto Rico (5)

HELLGARD, 901,330, by Shell International Petroleum Co., Ltd., London, S.E.1.

For pharmaceutical preparations for the treatment of intestinal infections (5)

VENTRUXA, 900,109, by A.B. Cernelle, Angelholm, Sweden.

For medicated creams (5)

TCP, 900,515, by Uniclife, Ltd., Stonar, Sandwich, Kent.

For medical and surgical plasters, wound dressings and material prepared for bandaging (5)

LEUKOFLEX, B902,165, by P. Beiersdorf & Co., A.G., Hamburg, 20, Germany.

For veterinary preparations and substances, all for the treatment of worms (5)

ANTHELVELT, 900,684, by Janssen Pharmaceutica, N.V., Beerse, Belgium.

CONTEMPORARY THEMES

Subjects of contributions in current medical and technical publications

IMMUNOSUPPRESSIVE DRUG AZATHIOPRINE. Prevention of corneal-graft failure with the. *Lancet*, September 2, p. 479.

ASPIRIN INGESTION. Impaired platelet/connective-tissue reaction in man after. *Lancet*, September 2, p. 495.

OXYGEN. Choice of method for administration of. *Brit. med. J.*, September 2, p. 593.

SCRAPIE AGENT. Nature of the. *Nature*, September 2, p. 1,041.

INSULIN RELEASE. Penitols and the mechanism of. *Nature*, September 2, p. 1,088.

CHLORINATED HYDROCARBON INSECTICIDES. Danger of. *Nature*, September 2, p. 1,094.

BUNAMIDINE HYDROXYNAPHTHOATE. The efficiency of, in poultry. *Vet. Rec.*, September 2, p. 226.

SHAMPOOS. The practical evaluation of. *J. Soc. cos. Chem.*, September 2, p. 539.

COSMETIC COLOURS. Protection of by means of U.V. absorbers. *J. Soc. cos. Chem.*, September 2, p. 553.

DRUG TREATMENT of psychiatric disorders in general practice. *Practitioner*, September 2, p. 325.

EVALUATION OF POTENTIAL ANTI-RHEUMATIC DRUGS *in vitro* using lymphocytes and epithelial cells. The selective action of indoxole, methyl glyoxal and chloroquine. *J. Pharm. Pharmacol.*, September 2, p. 590-595.

COLCHICINE-QUININE therapy for malaria. *J. Amer. med. Ass.*, September 2, p. 553.

THE CANADIAN PHARMACEUTICAL ASSOCIATION. The history of. *Canad. pharm. J.* September 2, p. 5.

NEW COMPANIES

P.C.=Private Company. R.O.=Registered Office.

CHEMCLEEN PRODUCTS, LTD. (P.C.)—Capital £100. To carry on the business of wholesale and retail chemists and druggists. Subscribers: Leonard H. Lewis, and Francis A. Dean, 6 Surrey Street, London, W.C.2.

CHYREE, LTD. (P.C.)—Capital £100. To carry on the business of manufacturers of and dealers in cosmetic preparations, etc. Subscribers: Roger N. Godden and Beryl G. Godden, 13 Maypole Drive, Chigwell.

CONTINENTAL PHARMA LTD. (P.C.)—Capital £1,000. To carry on the business of manufacturers of and dealers in chemicals, drugs, medicines and pharmaceutical products, etc. Subscribers: Kenneth W. Sait, Gwendoline R. Dyer. R.O.: 45 Mount Street, London, W.1.

DAKRISOUND, LTD. (P.C.)—Capital £100. To carry on the business of selling agents and consultants to the pharmaceutical and chemical trades, etc. Subscribers: Jean Herbert and Thomas A. Herbert, 71a City Road, London, E.C.1.

DISCOUNT FOR BEAUTY, LTD. (P.C.)—Capital £100. To carry on the business of manufacturers of and dealers in cosmetic preparations, etc. Directors: Max Taylor and Romola Taylor. R.O.: 1 Piccadilly, Bradford.

F.C.I. CHEMICALS, LTD. (P.C.)—Capital £100. Subscribers: P. R. Phillips and R. J. Weetch, 7 Serjeants Inn, London, E.C.4.

H. & H. CHEMICALS, LTD. (P.C.)—Capital £100. Subscribers: Muriel Goldstein and Brian Goldstein, 25 The Glade, Ilford, Essex.

IEUAN HUGHES & CO. (CHEMISTS), LTD. (P.C.)—Capital £1,000. To carry on the business of chemists and druggists, etc. Directors: Ieuau Hughes, M.P.S. and Joyce Hughes. R.O.: 8 Cavendish Place, London, W.1.

SKANDIA CHEMICALS, LTD. (P.C.)—Capital £25,000. To carry on the business of manufacturers of and dealers in chemicals, and chemical products, etc. Directors: Clas Henning Gottfrid Persson (Sweden), Graham A. Tandy and Geoffrey H. Tew. R.O.: 6 Peacock Lane, Leicester.

TAKE-FIVE COSMETICS, LTD. (P.C.)—Capital £100. To carry on the business of manufacturers of and dealers in perfumery cosmetics, etc. Subscribers: John W. Lambert and C. B. Mitchell (solicitors), 16 Coleman Street, London, E.C.2.

WEIL INTERNATIONAL TRADING, LTD. (P.C.)—Capital £25,000. To carry on the business of manufacturers and processors of chemicals, fertilisers, etc. Directors: Alfred Weil, Douglas Dickinson, Richard A. Wall, George Peryer and Edward E. Sander. R.O.: 39 New Broad Street, London, E.C.2.

WINER (CHEMISTS), LTD. (P.C.)—Capital £100. To carry on the business of chemists, druggists, etc. Subscribers: Murray Winer, M.P.S. Murray Winer is the first director.

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of week of insertion.

Monday, September 11

BRITISH PHARMACEUTICAL CONFERENCE, Blackpool, Lancs. Until September 15. Time-table: p. 221.

EXPORT SERVICES EXHIBITION, Olympia, London, W.14. Until September 15.

INDUSTRIAL PHOTOGRAPHIC AND TELEVISION EXHIBITION, Olympia, London, W.14. Until September 15.

"MEDICINES — WITH CARE" EXHIBITION, Abbey Park, Leicester. Until September 12.

Tuesday, September 12

SCUNTHORPE BRANCH, NATIONAL PHARMACEUTICAL UNION, Bridge hotel, Scunthorpe, at 8 p.m. Formulation of resolutions for Harrogate area meeting in October.

Wednesday, September 13

MANCHESTER PHARMACEUTICAL GOLFING SOCIETY, Warrington golf club, Appleton. Medal competition for Ucal trophy and prize.

"MEDICINES — WITH CARE" EXHIBITION, Town hall, Loughborough. Until September 20.

Friday, September 15

MEXBOROUGH BRANCH, NATIONAL PHARMACEUTICAL UNION, New Mason's Arms, Doncaster Road, Mexborough, at 7.30 p.m. Business meeting.

Courses and Conferences

ASSOCIATION OF THE BRITISH PHARMACEUTICAL INDUSTRY, May Fair hotel, Berkeley Square, London, W.1, on September 26. Symposium on weighing and weight control in the pharmaceutical industry. (Fee £3 3s.). Further details from the Association's Technical Officer, 162 Regent Street, London, W.1.

INDUSTRIAL SOCIETY, Connaught rooms, Great Queen Street, London, W.C.2, on September 26-27. Two-day course on successful management of retail staff. Details from the Society, 48 Bryanston Square, London, W.1.

Advance Information

SOUTH WALES PHARMACY BALL, Top Rank suite, Cardiff, November 3. Tickets (price £2 2s. each) are available from Mr. E. Davies, Secretary, South Wales Pharmacy Ball Committee, 14 Vishwell Road, Pencisely, Cardiff.

ULTRASONS FOR INDUSTRY EXHIBITION, St. Ermin's hotel, Caxton Street, London, S.W.1, October 31 to November 1.

Prescribers' Press

What doctors are reading about developments in drugs and treatments

AN explanation for increased bleeding times after aspirin ingestion is put forward in a preliminary communication from workers at Mount Sinai Hospital, New York. They have found that, in ten normal male subjects, ingestion of 3 gm. of aspirin a day for fifty-four hours resulted in significantly less aggregation of blood platelets by washed connective-tissue fragments than after placebo. When platelet-rich plasma is incubated with a suspension of connective tissue, structural changes occur in the platelets and adenosine diphosphate (ADP) is released, which in turn results in aggregation of the platelets. The decrease in aggregation noted was associated with an impaired ability to release platelet ADP. Bleeding-time in subjects receiving aspirin increased by a mean value of 3.3 minutes compared with 0.3 minutes in the group receiving placebo. The authors suggest that the observed interference with the platelet/connective-tissue reaction may account for the prolongation of bleeding time and that the gastrointestinal bleeding reported to occur in 50-70 per cent. of the population who ingest 1-3 gm. of aspirin per day, may be due to this impairment of platelet function, perhaps superimposed on the effects of local irritation. The reported aspirin effect has also been demonstrated by other workers for a variety of anti-inflammatory agents which leads the present authors to suggest that these agents may have anti-thrombotic properties (*Lancet*, September 2, p. 495).

STATUTORY measures for the control of drugs need to be made more flexible so that as soon as compounds such as S.T.P. (see *C. & D.*, August 12 p. 133) enter circulation, their unauthorised possession and distribution can be made an offence, says the *British Medical Journal* in a leading article. "Society has a responsibility to protect its members from drugs that can make them frankly insane or indeed kill them, as it has to stop the spread of communicable diseases." The article questions whose is the responsibility to collect and sift information on such

drugs and suggests that the L.S.D. and cannabis sub-committee of the Home Office Standing Advisory Committee on Drug Dependence might extend its terms of reference to include drugs of this kind as they are developed. Alternative nomenclature and other identifications for S.T.P. to that given by the Home Office, are listed, among them the United States Food and Drug Administration naming of methyldimethyloxymethylamphetamine and identifications relating the compound to psilocybin, benactyzine and benzhexol (*B.M.J.*, September 2, p. 570).

CONTROLLED trials to find out whether the newer laxatives are better than the traditional ones have not been carried out, nor have there been adequately controlled trials comparing the newer laxatives with each other, says *Drug and Therapeutics Bulletin*. Dosage is standardised and accurate, but no other advantage has been convincingly demonstrated, it is claimed (*D. & T. B.*, September 1).

PRINT AND PUBLICITY

PRESS ADVERTISING

DREAMLAND ELECTRICAL APPLIANCES, LTD., Shipyard, Estate, Hythe, Southampton: Dreamland electric blankets. In mass circulation newspapers and magazines from October 9.

GERHARDT-PENICK, LTD., (distributors Richards & Appleby, Ltd., York House, Westminster Bridge Road, London, S.E.1): Fresh 'n dainty. In *Honey, Model Girl, Petticoat, She, True Romances, True Story, Vanity Fair* and *Woman's Own*.

MAX FACTOR, HOLLYWOOD AND LONDON (SALES), LTD., 16 Old Bond Street, London, W.1: Creme Puff. In *Woman, Woman's Own, A.B.C. Film Review, True Romances, Photoplay, Flair, Showtime, My Weekly, Woman's Realm, Woman's Weekly, Woman's Story, Nova, The People, Sunday Mirror* and *True Story*.



DISPLAY UNIT: The counter display piece unit for Vitapointe hair spray here illustrated is designed to hold six "normal set" handy-size sprays, and is in bright pink. It measures 11 x 6½ x 7 in. Makers are Fisons Pharmaceuticals, Ltd., Loughborough, Leics.



FROM FINLAND: Display outer of the original Finnish Sauna soap, now available in Britain from J. L. Perl, Ltd., 14 Westbourne Crescent, London, W.2.

TONI CO., 101 Syon Lane, Great West Road, Isleworth, Middlesex: Special 8-p. advertising feature promoting Dippity-Do gel and hairspray. In *Woman's Own* in week commencing September 11.

THOS. GUEST & CO., LTD., 92 Carruthers Street, Ancoats, Manchester, 4: Sure Shield laxatives. In *Woman, Woman's Own, Woman and Home, Woman's Realm, My Home and Family* and *Woman's Weekly*.

PUBLICATIONS Booklets and leaflets

ARTHUR H. COX & CO., LTD., 93 Lewes Road, Brighton, 7, Sussex: "The things we do for other people" (8-p. booklet describing the company's manufacturing and packaging facilities).

WILLS

MR. C. R. F. JOHNSON, M.P.S., 3 The Oval, Scartho, Grimsby, Lincs, left £14,170 (£14,088 net).

MR. J. R. STOCK, M.P.S., Lawnswood, Welshpool Park Road, Colchester, Essex, left £58,379 (£57,052 net).

MR. G. SWINGLEHURST, 4 Brackenley Grove, Embay, Yorks, who qualified as a chemist and druggist in 1922, left £16,223 (£15,964 net).

COMMERCIAL TELEVISION

The information given in the table is of number of appearances and total screen time in seconds. Thus 7/105 means that the advertiser's announcement will, during the week covered, be screened seven times and for a total of 105 seconds.

Period—September 17-23

PRODUCT	London	Midland	North	Scotland	Wales & West	South	North-east	Anglia	Ulster	Westward	Border	Grampian	Eireann	Channel Is.
Alka-Seltzer	—	—	—	—	—	5/150	—	—	—	—	—	—	—	—
Anadin...	3/90	2/60	3/90	3/100	3/100	3/67	2/60	3/90	2/60	2/60	1/30	2/60	—	2/60
Askit powders and tablets ...	—	—	—	—	7/49	—	—	—	—	—	3/21	2/14	—	—
Bisodol...	—	—	—	—	—	5/35	—	—	—	—	—	—	—	—
Dettol	—	—	—	—	—	1/45	1/45	—	—	—	—	—	—	—
Disprin	—	—	—	—	—	1/15	—	—	—	—	—	—	—	1/15
Horlicks	2/60	3/90	4/120	1/30	2/60	3/90	3/90	3/90	3/90	3/90	—	2/60	—	2/90
Steradent	—	—	2/60	2/60	2/60	3/90	2/60	6/180	1/30	2/60	2/60	—	2/60	1/30
Sweetex	3/45	—	—	—	—	1/15	1/15	1/15	1/15	—	—	—	—	—
Wright's coal tar soap ...	1/15	1/15	1/15	—	1/15	1/15	1/15	1/15	—	1/15	1/15	—	—	—

ANTIBIOTICS:

CHLORAMPHENICOL
DIHYDROSTREPTOMYCIN
SULPHATE
NEOMYCIN SULPHATE
PENICILLIN G CRYSTAL LINE,
POTASSIUM, ETC.

SULPHONAMIDES:

SULPHADIMIDINE
SULPHAMERAZINE
SULPHAGUANIDINE
SULPHATHIAZOLE
SULPHAMETHOXYPYRIDAZINE
ETC.

PHARMACEUTICALS & MEDICINES**VITAMINS:**

ASCORBIC ACID (VITAMIN C)
THIAMINE HYDROCHLORIDE
(VITAMIN B₁)
RIBOFLAVINE (VITAMIN B₂)
PYRIDOXINE HYDROCHLORIDE
(VITAMIN B₆) ETC.

OTHERS:

CALCIUM LACTATE
ISONIAZID
SODIUM AMINOSALICYLATE
BISMUTH SALTS
CHLORPROMAZINE HCL
DIPHENHYDRAMINE HCL
MEPROBAMATE
ETC.

- CATALOGUES & SAMPLES ON REQUEST
- ENQUIRIES & ORDERS CORDIALLY INVITED

EXPORTED BY
CHINA NATIONAL CHEMICALS IMPORT & EXPORT CORP.
SHANGHAI BRANCH
27 Chung Shan Road S.I Shanghai, China. Cable Address "SINOCHEMIS" Shanghai

PHARMACEUTICALS:**DEXTROSE MONOHYDRATE
HORMONES**

ENQUIRIES ARE CORDIALLY INVITED
SAMPLES & SAMPLE-BOOKS ARE AVAILABLE
UPON REQUEST

CHINA NATIONAL CHEMICALS IMPORT & EXPORT CORP.
TIENTSIN BRANCH
171 Chien Sheh Road, Tientsin, China. Cable Address: "NOCIPHARM"
Tientsin.



**AMYLOBARBITONE
CASTOR OIL
CHLORAL HYDRATE
CHLORAMINE-B
CHLORAMINE-T
I'CYSTINE
BARIUM SULPHATE
(X-RAY GRADE)**

CHINA NATIONAL CHEMICALS IMPORT & EXPORT CORP.
SHANTUNG BRANCH
82 Fan Hsü Road, Tsingtao Cable Address: SINOCHEMAO Tsingtao

BINKI

Tailored by ELSINORE

2 for 3/11

FROM
YOUR
USUAL
WHOLESALER

ONE WAY UNDER NAPPIES



CONSTANTLY ADVERTISED IN WOMEN'S MAGAZINES

Velouty POWDER CREAM

A COMPLETE MAKE-UP IN A SINGLE APPLICATION

Made in England

PEACH

PLASTIC JARS
Trade 34/- doz.
Retail 5/- each

In Shades
IVORY
NATURAL
OCHRE
PEACH
SUNGOLD
APRICOT
RACHEL

TUBES No 2
Trade 11/5 doz.
Retail 1/8½ each

Velouty de DIXOR POWDER CREAM

NATURAL

Made in England

Velouty de DIXOR POWDER CREAM

29 29

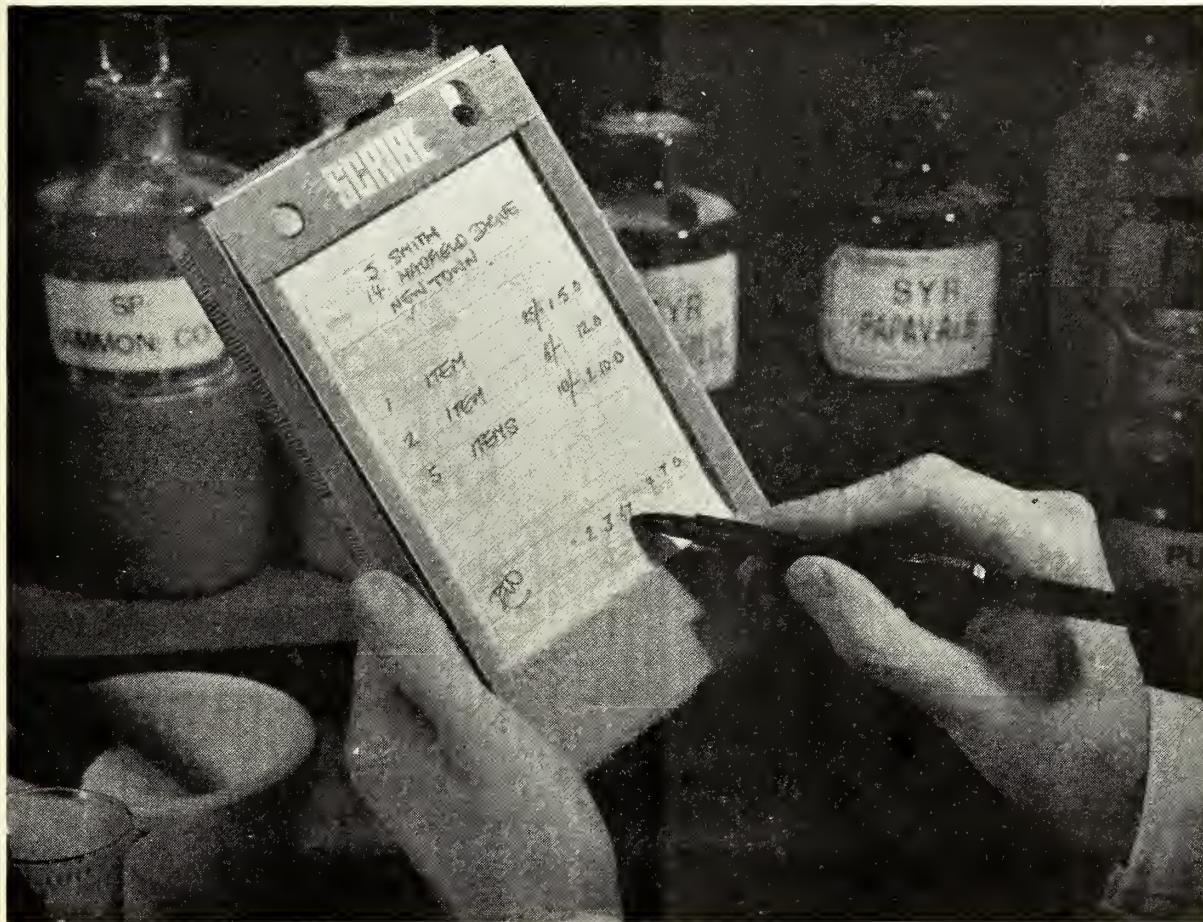
A PERFECT COMBINATION OF CREAM FOUNDATION AND THE LIGHTEST POWDER

TUBES No 3
Trade 18/7 doz.
Retail 2/11 each

FROM YOUR USUAL WHOLESALER OR DIRECT FROM DIXOR LTD., ST. LEONARD'S ROAD, MORTLAKE, S.W.14.

WHERE THERE'S A SALE THERE'S A SCRIBE

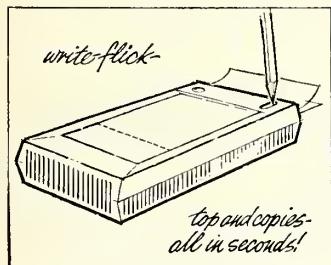
to record, copy and file—all in seconds



Scribe has a form that's designed for you—and when you've got Scribe, you've got the most efficient way of using sales forms. As each form is completed, a flick of pen or pencil ejects it. Ready-carboned cartridge refills of two or three-part Scribe forms can be fitted in seconds. No messy carbon handling is involved! Scribe goes anywhere, records anything (there are 12 forms to choose from, covering all sales,

stores or office uses, or you can design your own). As you write, Scribe automatically copies—and the copy can be slipped into the built-in filing compartment till you need it. Throw away your carbon books and start saving time and trouble with Scribe. You'll get a new kind of efficiency from the first sale onwards.

*Scribe—complete with cartridge **45/4**
(suggested retail price inc. P.T.)*



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PORTABLE REGISTER
The complete top-and-copies system
Available from your usual Business Supplier

Please forward your detailed, illustrated literature
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Business.....

Address.....

My usual Business Supplier is.....

CDS 9/9/67

To: Twinlock Limited, Twinlock Works,
Beckenham, Kent.



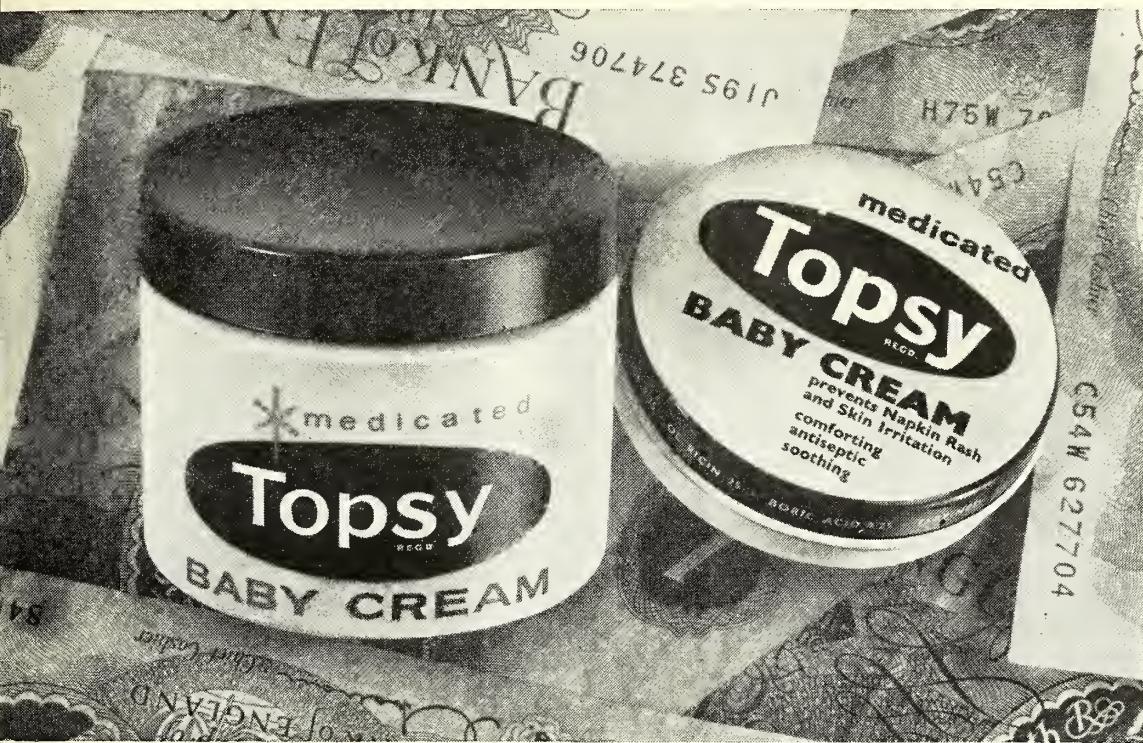
Topsy on TV again!

Topsy Baby Cream on TV in the North again — and on Scottish TV for the first time!

- Big sell campaign through October and November.
- Bright new commercial with catchy Topsy jingle.
- Over 1 million mothers of Children aged 0-4 will see the commercial between 5 and 10 times!
- Topsy now comes in choice of safe-to-handle plastic jar as well as top-selling tins.

Help yourself to the cream of the Baby Cream Market ...

Topsy
REGD.



and a two-way Topsy Bonus for you!

BONUS in NEW Topsy jars

Topsy Baby Cream now comes packed in a crisp, easy-to-handle plastic jar as well as Topsy's familiar tin. The new jars come in a 6-pack outer and recommended selling price is 3/- each.

Recommended selling price 3/-
price 21/2 per doz.

+ 7½% P. Tax (5/10)

plus Each qualifying order of

boxes of ½ doz. (12) invoiced as 10

Your return at 3/- jar £1.16.0

Cost to you £1.2.6

Your profit 13.6 PROFIT ON COST

60%

OFFER OPEN FROM
SEPTEMBER 1st TO OCTOBER 31st 1967

BONUS on top-selling tins

The familiar, money-spinning Topsy tin is still packed in display outers of 18 and qualifies for a bonus offer too.

Recommended selling price

1/3 per tin

List price 8/6 per doz.

+ 27½% P. Tax (2/4)

Bonus Each qualifying order of

2 boxes of 1½ doz. (36) invoiced as 30

Your return at 1/3 per tin £2.5.0

Cost to you £1.7.0

Your profit 18.0 PROFIT ON COST

66 2/3%

OFFER OPEN FROM
SEPTEMBER 1st TO OCTOBER 31st 1967

ORDER TOPSY NOW FROM YOUR WHOLESALER

BELLAIR COSMETICS LTD. (PHARMACEUTICAL DIVISION) NEW ROAD, WINSFORD, CHESHIRE. TELEPHONE: WINSFORD 2841/2/3

BIG ADVERTISING

Year-round in Britain's
leading family magazines

WOMAN 11 million readers

WOMAN & HOME 3 million readers

MY HOME & FAMILY 1 million readers

WOMAN'S OWN 9 million readers

WOMAN'S REALM 5½ million readers

WOMAN'S WEEKLY 4 million readers

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WITH THE *Raspberry Flavour*

A cluster of raspberries above a single tablet.

Taste the fresh fruit—then feel the all-over freshness of complete, certain relief. Gentle, non-habit-forming, but truly effective in the time of need, Sure Shield are the ideal family laxative.

IDEAL FOR CHILDREN

Family size	Personal pack
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BIG PROFITS

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See your representative, or write to:
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92 CARRUTHERS STREET
ANCOATS • MANCHESTER 4

SURE SHIELD

The Chemist's Dictionary of Medical Terms

Eighth edition 1967

of cell-life and is excreted in the bile. It is very plentiful in nerve-fibres.

Cholesterinuria; Cholesteroluria.—Presence of cholesterol in the urine.

Cholesterol.—Cholesterins.

Cholesterosis.—Cholesterol in excess in the gall-bladder.

Chotherapy.—Treatment by ox bile.

Cholinergic.—Activated or transmitted by choline.

Cholochrome.—Bile pigment.

Choloplaenia.—The presence of bile salts in the blood or tissues.

Cholorrhœa.—Excessive secretion of bile; bilious diarrhoea.

Choluria.—Biliuria.

Chondralgia.—Pain in the cartilage.

Chondroplasia; Chondrodysplasia.—Cartilage found in abnormal places in the skeleton.

Chondrectomy.—Excision of cartilage.

Chondrification.—Conversion into cartilage.

Chondritis.—Inflammation of cartilage.

Chondrosternal.—Pertaining to costal cartilages.

Chondrocranium.—A cartilaginous skull.

Chondrocyte.—A cartilage cell.

Chondodynæ.—Pain in or around a cartilage.

Chondrodystryph.—Disturbance in the normal process of ossification

Chondroporosis.—A porous condition of cartilage.

Chondrosis.—Formation of cartilage.

Chorda.—A cord or tendon.

Chorditis.—Inflammation of a cord (spermatic, vocal, etc.).

Chordopexy.—Fixing a displaced anatomical cord.

Chordotomy.—See CORDOTOMY.

Chorea.—St. Vitus's dance; irregular and involuntary movement of the muscles, chiefly in the young.

Choreal; Chorioid.—Pertaining to the chorion. See also CHOROID.

Choreiform; Choro-atetoid.—Resembling chorea.

Chorioiditis.—Inflammation of the vascular coat (choroid) of the eye.

Chorioidocyclitis.—Inflammation of the choroid and ciliary body of the eye.

Chorioma.—A tumour of the eye.

Choriomeningitis.—A cerebral meningitis with cellular infiltration of the meninges.

Chorion.—(1) The fetal membrane or after-birth. (2) The corium (q.v.).

Chorionitis.—Inflammation of the skin (corium).

Choroid.—The middle coat of the eyeball; choroid.

Choroideræmia.—Absence of the choroid coat of the eye.

Choroiditis.—Inflammation of the choroid.

Chromæsthesia.—The association of

taste, smell, etc., with colour.

Chromaffin cells.—Cells staining deeply with chromium salts.

Chromaffinopathy.—A condition affecting the chromaffin cells or tissue.

Chromatic.—Relating to colour.

Chromatin.—The stainable portion of the cell nucleus.

Chromatodermatosis.—A skin disease with pigmentation.

Chromatodysopia.—Colour-blindness.

Chromatogenous.—Causing pigmentation.

Chromatolysis.—Destruction of the chromat.

Chromatometer.—A scale for the determination of colour.

in cartilage, resulting in bony deformity; achondroplasia.

Chondrogenesis.—Formation of cartilage.

Chondroid.—Like cartilage (gristle).

Chondroitic Acid.—An acid found in cartilage.

Chondrology.—Science relating to cartilage.

Chondroma.—Cartilaginous tumour of the bones.

Chondromalacia.—Softening of a cartilage.

Chondropathy.—Disease of a cartilage.

Chondrophyte.—A cartilaginous growth.

Chondoplasty.—Plastic surgery of

though substantially the same as the previous (seventh) edition, the eighth, now published, has had a number of new terms added and some definitions revised in the light of medical developments. More than ever the Dictionary, prepared primarily for pharmacists, is invaluable, indispensable even, to them and to all others who are engaged in the manufacture, sale or use of medicinal products.

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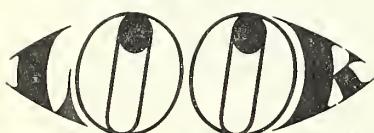
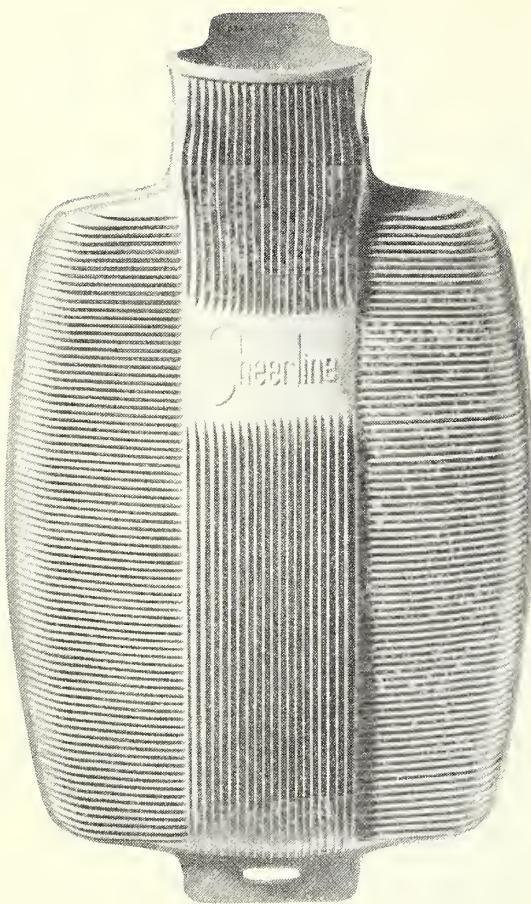
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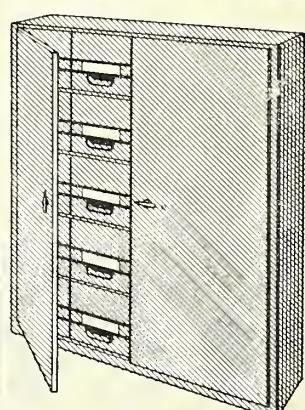
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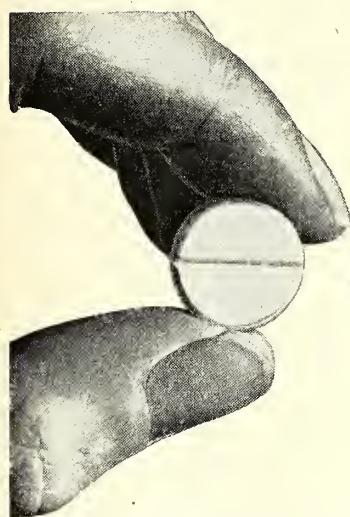
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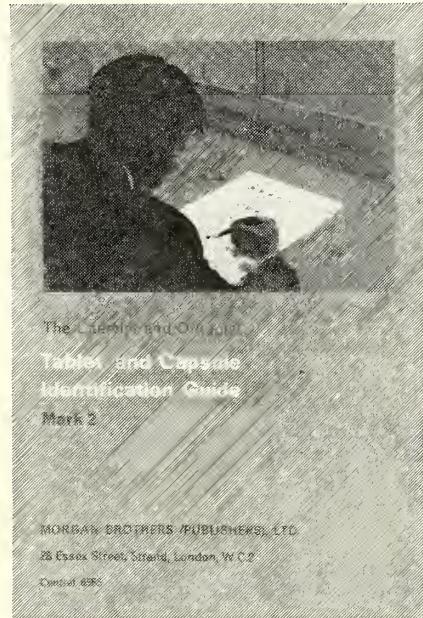
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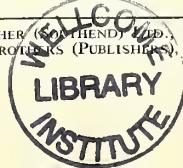
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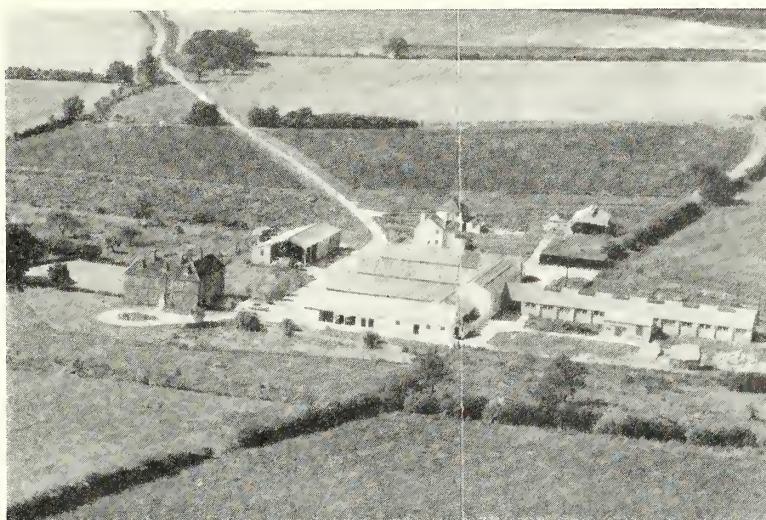
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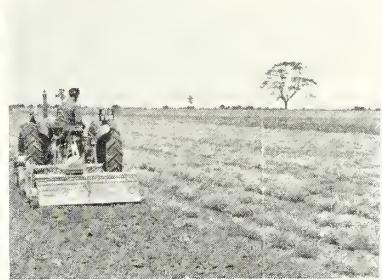
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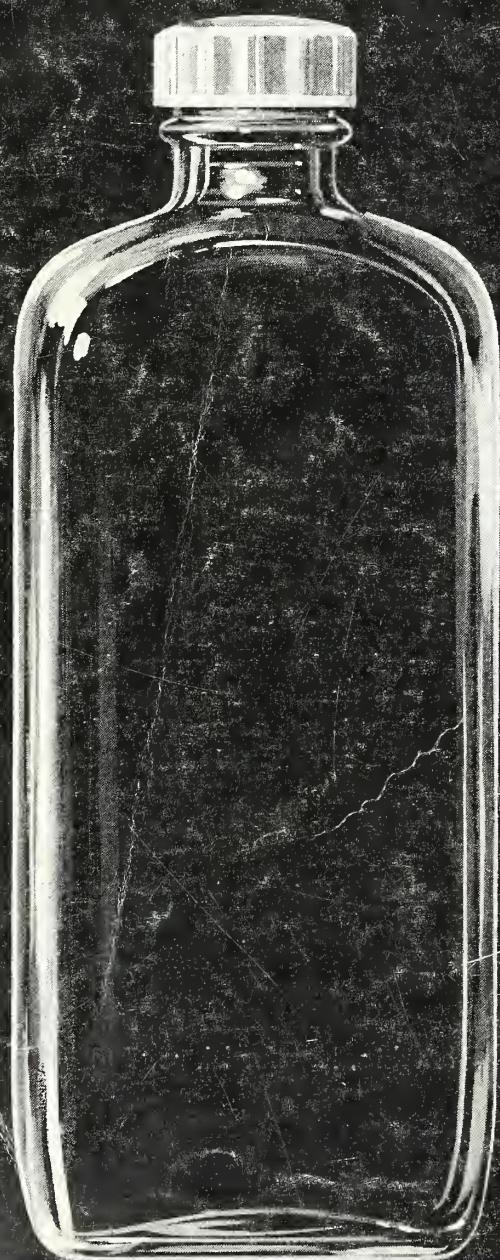
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